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Drug Bill Court Review Provisions Kept for Debate

OPD Washington Bureau
May 19, 1938

An attempt to secure enactment of the food and drug bill (S.5) will be made before the adjournment of Congress it was learned today. The house committee on interstate and foreign commerce, which reported the measure, will direct its efforts to this end now that the house has disposed of the committee's bill to establish a civil aeronautics commission.

Suggestions that a compromise might be reached over the controversial court review provisions apparently have been dropped, and the present intention of the majority of the committee is to ask the rules committee to grant a special rule for consideration of the bill in its present form, but with opportunity to debate amendments on the floor. Six members of the committee signed a minority report criticizing the court review provisions and several of these indicated today that they will carry their fight to the floor if an opportunity is offered.

It is understood that house leaders urged the interstate commerce committee to reach a unanimous agreement on the food and drug bill before it is brought up on the floor, but investigation today indicated that majority of the committee prefers to stand on its original decision regarding the court review sections, and that the rules committee will be asked to let the bill be brought up for debate in its present form.

Oil Chemists Elect C.H. Cox President

New Orleans, May 12, 1938

Technical problems dealing with animal and vegetable oils and fats were discussed from all angles at the twenty-ninth annual meeting of the American Oil Chemists' Society, held in the Roosevelt hotel, New Orleans, May 12 and 13. C. H. Cox, of Memphis, Tenn., was elected president, succeeding M. L. Sheely, of Chicago.

Other officers elected were:—First vice-president, H. C. Dormitzer, Chicago; second vice-president, A. E. McGee, Chicago; third vice-president, H. P. Trevithick, New York; fourth vice-president, C. P. Long, Ivorydale, Ohio; secretary-treasurer (re-elected), J. C. P. Heim.

Dr. J. D. Von Mikusch, of the Woburn Degreasing Company, Harrison, N. J., read a paper on "The Iodine Number of Tung Oil." The paper is the result of some work done in the laboratory of the Woburn company, Dr. Von Mikusch said, concerning the iodine number determination on oil containing conjugated double bonds, such as tung oil and dehydrated castor oil. He said that the purpose of this investigation was to overcome a difficulty caused by the fact that the standard methods for determining iodine numbers on oils did not lead to the true constants in the case of either tung oil or dehydrated castor oil because of the peculiarity of these oils to add iodine in TWO distinct steps.

In the case of dehydrated castor oil it was found, he concluded, that the true iodine value can be determined, provided that at least 400% excess of the Hanus-Iodine solution is applied. A change in the WIP method for tung oil was also suggested by which it is possible to reduce the experimental error to one-quarter to one-eighth of that of the present method.

The story of toll oil, the fatty acid whose presence in pine pulp prevented manufacture of white paper until isolated in tests made in Sweden and Norway more than twenty years ago, was told by W. F. Gillespie of Bogalusa. He outlined the advance in methods of taking the acid from the pulp. Value of the acid in 1916 was $1,600 per ton, compared with about $35 per ton at present, demonstrated the advances made in production methods, he said.

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Patman Act Exemption Passed by Congress

OPD Washington Bureau
May 18, 1938

The senate today passed a bill, already passed by the house, to exempt from the Robinson-Patman price-discrimination act purchases of supplies for their own use by schools, colleges, universities, public libraries, churches, hospitals, and charitable institutions not operated for profit.

N. J. Fair Trade Pact Is Upheld on Appeal

Trenton, May 17, 1938

Validity of price-maintenance contracts under the State fair trade law was sustained by the court of errors and appeals today in a decision reversing the court of chancery in the latter's dismissal of the suit of the Schenley Products Company against the Franklin Stores Company, Newark.

The Schenley company, joined in its action by the Gilhaus Beverage Company, Hackensack, sought to enjoin the Franklin concern from selling its whiskies at prices less than those specified in contracts under the fair trade law. Vice-Chancellor Bigelow dismissed the suit, holding that fair trade contracts were invalid because they lacked commensurate compensation for distributors with whom they were made. The appellate court held that the vice-chancellor "fell into error" for the reason that "price-fixing contracts, such as the one under consideration, are authorized by the statute here in question and have received judicial sanction." The high court declared that sales at less than contractual prices were unfair competition actionable, as the statute states, "at the suit of any person damaged thereby."

Proprietary Ass'n Discusses Drug Products Control Laws

Trade Commissioner Freer Explains Wheeler-Lea Act—Hoge Reviews Nationwide Legislation—Miller Re-elected President—Sectional Meeting Held

Legislation affecting the proprietary drug industry, passed and pending, was the major topic of interest at the general business sessions of the fifty-sixth annual meeting of the Proprietary Association in the Biltmore hotel, this city, May 16 to 18. Supplementing the business sessions were discussions of technical subjects in the meetings of the scientific and veterinary sections, and of foreign trade in the meetings of that section of the association. The section discussions were held May 16, and were followed by the two-day period May 17 and 18, of general business sessions.

Blank & Stoller

George H. Miller
Re-elected President

The convention proper was called to order Tuesday morning by George P. Miller, president. After a word of greeting, Mr. Miller presented a brief review of the progress of the industry and association during the year closed. There followed a presentation of greetings and expressions for a successful meeting by representatives of allied organizations. Dr. W. E. Weiss responded to the invited guests, expressing the fact that the association would be ever-ready to cooperate with the affiliated groups in reaching the solution of kindred problems. He also praised the Canadian Proprietary Association and its executives, which, he said, although handicapped by a small membership, was doing wonderful work in attacking the Dominions' problems.

New Members

A report of the membership committee, presented by Dr. Fred E. Weiss followed. He disclosed that fifteen active and twenty associate members had joined, while 11 active and 17 associate members had dropped from the association roster in the year past. The new members reported were:—

Blackburn Products Company, Dayton, Ohio.
Crosley Radio Corporation, Cincinnati, Ohio.
J. Goodman, Inc., New York.
Herb Juice—Penol Company, Danville, Va.
C. H. Hood & Co., New York.
Hydrasal Company, Cincinnati.
Lanman & Kemp—Barclay & Co., New York.
Leavengood Drug Company, Kansas City, Kas.
H. A. Montgomery & Co., Detroit.
Newman Pharmacal Company, Louisville, Ky.
Orrine Company, Washington, D. C.
Plough Company, Memphis.
Dr. David Roberts Veterinary Company, Waukesha, Wis.
Stanback Company, Salisbury, N. C.
Tobacco Byproducts & Chemical Company, Louisville, Ky.

Following the membership report the floor was given to Dr. E. L. Newcomb, executive secretary of the National Wholesale Druggists Association. He decried the growing custom of manufacturers selling direct to retailers and asked for a stabilization of the wholesaling division of the industry, as well as of retailing. There followed an address by Samuel Dworkin, representing the Bronx (N.Y.) Pharmaceutical Association, in which he called the attention of manufacturers to an inspection law recently instituted in New York City whereby retailers have been penalized for having old, trademarked stock on their shelves. He asked that the condition be studied and possibly remedied.

Canadian Legal Developments

A. E. Laverty, secretary of the Canadian Pharmaceutical Association, then presented a review of the new Canadian legislation affecting the industry. He stated that a new law controlling radio advertising had been enacted and that under it false advertising, and the broadcasting of information on birth control or the venereal diseases were forbidden. All continuity, he said, must be submitted to the Department of National Health. In British Columbia a law had passed which controls the retailing of branded products. It allows price maintenance in any one of three ways: By telling the retailer the price, by publishing the price in an accredited catalogue or newspaper, or by registering the price with the British Columbian branch of the Retail Merchants Association. This law is ex-

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Drug Advertising Control by F.T.C.

Comment by James A. Horton, Chief Examiner for the Federal Trade Commission, Supplementary to His Address to the American Drug Manufacturers Association May 4

(In order that his extemporaneous comment and replies to questions might not be misinterpreted, Mr. Horton requested the opportunity to revise the stenographic record of his remarks. To guard against inadvertent misleading of its readers the Reporter *has awaited Mr. Horton's revision of his remarks.—Editor,* Oil, Paint and Drug Reporter.)

You drug manufacturers, I understand, have detail men, you have contact men, you have specialty men, who go out to the drug trade and to physicians to further the sale and use of a particular product which you may manufacture. Statements made by these men; statements furnished by you to these men for their use in achieving the sale of your particular product, come particularly within this statute. It is no longer confined to the printed word. Statements made directly in support of the sale of that product come directly within the statute.

As I construe the intent of the act, you are not going to place the entire responsibility upon the physician, but any representation which you may make in dealing directly with the physician in the sale of your product is actionable if that representation is false and misleading and you are charged with definite responsibility in this respect and you cannot avail yourself of the exemption which I have just discussed.

Questions and Answers

A number of members of the association sought particular enlightenment in respect of various applications of the Wheeler-Lea act, interrogating Mr. Horton on the several points. Their questions and Mr. Horton's answers were as follows:—

Exemption of Labeling

Q. As I understand it, under section 12 representations made on labels are specifically exempted from this provision. Does that include only the label that is affixed to the final container or does it include the carton on which the final label may be pasted, or does it include the literature in the box which under the drug and insecticide laws is considered part of the label?

A. Of course under the decision of the courts, as you are well aware, the label also included the literature which was enclosed within the package. I am not inclined, offhand, to believe that the commission will have jurisdiction over literature enclosed in the package. Of course, if this literature is used independently of the package, it would clearly appear that the jurisdiction of the commission definitely applies to this form of advertising.

Advice and Counsel

Q. Will it be the policy of the commission to pass informally upon proposed advertising statements?

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Closing Market Developments

Tin Derivatives Easier

The market for the various tin derivatives showed further easiness later in the week. Anhydrous tetrachloride of tin reached a new low for the year at 18½c. per pound; soda stannate was 25½c. to 28½c. per pound; tin crystals, 31c. to 31½c. per pound. Straits tin was quoted at 35.85c. per pound.

Copper Holding at 9c.

Domestic copper held at the 9c. level later in the week. Business was quiet, the abrupt drop of one cent having failed to bring out additional interest by consumers. Sales have been mad[illegible] export account at 8.75c. per pound, c.i.f. European base ports. In the local scrap market reduction in price to 7¼c. per pound for No. 1 heavy wire scrap has had the effect of virtually drying up offerings.

Foreign Trade Rules

Information recently published by the Department of Commerce on foreign tariff and related trade regulations include the following:—

Alcohol.—According to a recent regulation adopted by the Netherlands Indies, all paint products containing denatured alcohol will be admitted into the country only when invoices and other documents contain sworn statements that the alcohol has been denatured and also show the details of the method and formula used.

Coke By-products.—In order to carry out the production plan for 1938 of the People's Commissariat in Russia for heavy industry, instructions for the coke-chemical industry as to its standards of work have been formulated so that present losses of chemicals (benzol and ammonia) and of coke-oven gases are to be stopped.

Import Quota.—The total value allotted to the United States for importation of commodities listed in quota B, F and G of the Greek import restrictions has been increased from about $504,000 to about $675,000 for the current six months. This group includes chemicals and pharmaceuticals.

Coconut Oil.—All hydrogenated coconut oil exported from Angola through the tax office of the Conventional Basin of Zaire is exempt from the inspection tax up until September 30, 1938. After that date, if the price of plantation oil falls below 30 escudos per arroba, the inspection tax is automatically reduced by 40 percent in exports through those offices.

Copra.—An allowance for impurities in copra for exportation from Angola has been fixed at a maximum of 5 percent.

Empty Barrels.—Import duties in Martinique on empty barrels, fit for use, assembled or knocked down, except hogheads not water tight, have been revised to 174.07 per 100 kilos gross for empty barrels of soft wood, and to 348.15 to empty barrels of hard wood.

Linseed Oil.—The French decree providing for temporary duty-free admission under bond of linseed and linseed oils intended for the manufacture of thick varnishes for exportation, was made nonapplicable in French-Indochina.

Lubricating Oils.—The duty on lubricating oils and other mineral oils not specified in the import tariff of Cape Verde was reduced from 0.25 to 0.10 gold escudo per kilo for oils of national origin, and from 0.50 to 0.20 gold escudo per kilo for oil of foreign origin.

Margarin.—The internal tax on margarin imported or manufactured in Norway has been reduced from 0.05 crown to 0.03 crown per kilo. Sweden has continued unchanged the import duty on margarin at 0.60 crown per kilo and the excise tax at 0.45 crown per kilo for the period from April 1 to September 31, 1938.

Mineral Oils.—Belgian import duties have been increased from 137.50 francs to 160 francs per hectoliter on benzols, toluols, and on light mineral oils, other than for specified industrial uses.

Pharmaceuticals. — The registration fee for imported patent medicines into Nicaragua has been increased from 10 to 20 cordobas, and for imported pharmaceutical specialties from 5 to 10 cordobas.

Chemical Price Changes Numerous

The stringency of the quicksilver supply caused price advances on mercurials last week; tartrates also were higher. But, prices were reduced on copper and tin salts and a variety of other materials. The net result was a lowering of the price level of the markets for heavy and fine chemicals.

Business was not better generally, but diminished inventories caused broader buying in spots. There was no evidence of forward commitments, although there was a forward interest in the quicksilver situation.

Prices were advanced on quicksilver, calomel, corrosive sublimate, red and yellow oxides of mercury of both grades, white precipitate, quicksilver vermilion, tartaric acid, cream of tartar, rochelle salt, seidlitz mixture, cornstarch, corn dextrin, corn syrup, aloin, alumina-magnesia talc, and high grade of gum rosin. Prices were reduced on electrolytic copper, blue vitriol, red and black oxides of copper, Straits tin, tin crystals, tetrachloride of tin, stannate of soda, sulphate of alumina, acetate of lead, cyanide of potash, antimony metal, denaturing grade methanol, methylacetone, coumarin, vanillin, low and medium grades of gum rosin, domestic dried blood and tankage at Chicago, imported dried blood and tankage, menhaden scrap futures, and Japanese sardine scrap.

The REPORTER'S composite index number of prices for heavy and fine chemicals dropped to 125.5 (100 = average at August 1, 1914). In comparison with average prices in 1926 (as 100), the REPORTER'S index number is now 88.9, compared with 89.5 at this time last year.

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Dr. Bogert Wins Priestley Medal

Dr. Marston Taylor Bogert, for forty-four years a member of the Columbia University faculty and one of the nation's leading synthetic organic chemists, has been awarded the Priestley gold medal, highest honor of the American Chemical Society, "for distinguished service to chemistry." He will receive the medal at the ninety-sixth meeting of the American Chemical Society in Milwaukee, Wis., September 5 to 9.

Prof. Marston T. Bogert

Twice president of the American Chemical Society, Dr. Bogert organized the system of professional divisions through which the society's membership of 22,000 now functions. Under his administration, *"Industrial and Engineering Chemistry,"* official publication of the society, was founded.

Dr. Bogert, in collaboration with students, is the author of more than 400 papers in the field of synthetic organic chemistry alone. He has completed investigations of the chemical compounds of the human body, and in recent years has worked on the synthesis of cancer-producing hydrocarbons. He holds the Nichols medal of the New York section of the society, and is medalist of the ancient Charles University in Prague, and of Comensky University in Bratislava, Czechoslovakia. He was the first visiting Carnegie professor of international relations to Czechoslovakia in 1927-28.

During the World War Professor Bogert was chief of the Chemical Service Section of the National Army with the rank of Colonel, and served in many other military posts. He has collaborated with the U. S. Department of Agriculture since 1926, and was chairman of the advisory board to the Color Laboratory from 1926-31. He has been a member of the board of science directors of the New York Botanical Garden since 1927.

Dr. Bogert was born in Flushing, N. Y., April 18, 1868, the descendant of Jan Louwe Bogert, who came from Holland in 1663. Dr. Bogert attended the Flushing Institute, and was graduated from Columbia College in 1890. He received the bachelor of philosophy degree of the Columbia School of Mines in 1894. He holds honorary degrees from Columbia, Clark University, and Charles University in Prague. He began his teaching career at Columbia as assistant in organic chemistry in 1894, and in 1904 was appointed first professor of organic chemistry.

Drug Standards And Tests Discussed

Critical discussions of official standards for drugs and of the tests for their determination were an interesting part of the sessions of the scientific section of the American Drug Manufacturers Association in its annual meeting in White Sulphur Spring, May 2 to 5. ters will be found in this issue, starting on page 47.

Toilet Goods Association has moved to new quarters in the building in which it has always been located, 30 Rockefeller Plaza. Formerly located in room 732, it is now located in room 728.

Phosphate Study Asked by President

OPD Washington Bureau
May 20, 1938

President Roosevelt today asked Congress to appoint a joint committee to study "the entire subject of phosphate resources, their use and service to American agriculture," and to make a report to the next Congress. "The disposition of our phosphate deposits should be regarded as a national concern," he said in a special message, "and it is high time for the nation to adopt a national policy for the production and conservation of phosphates for the benefit of this and coming generations."

The President made no specific recommendations for action, but he called attention to new processes developed by the Tennessee Valley Authority and the Department of Agriculture, and suggested they be used in developing deposits in Rocky Mountain States, particularly on public lands, and also be applied to Florida and Tennessee. It is to the national interest, he said, that Florida and Tennessee deposits be conserved to the fullest extent.

There was also a hint that exports of phosphate should be controlled, since the President stated that only 53 percent of domestic production is used for domestic agricultural purposes and that deposits in Florida and Tennessee will last but a comparatively short period.

The message was largely factual, pointing to the need of phosphate for plant and animal nutrition, and particularly for soil conservation, and declaring that present phosphorus depletion of soils greatly exceeds its addition through fertilizers.

Goodyear Tire Price Case Review Ordered

OPD Washington Bureau
May 16, 1938

The Supreme Court of the U. S. today ordered the sixth circuit court of appeals to determine the merits of the order of the Federal Trade Commission against the Goodyear Tire & Rubber Company requiring it to cease giving preferential price discounts on automobile tires to Sears, Roebuck & Co.

Following issuance of the order Congress passed the Robinson-Patman act prohibiting quantity discounts except those making only due allowances for differences in cost of manufacture or sale. The Goodyear company, which had appealed the order to the circuit court, informed the court that it had discontinued the practice complained of and cancelled its contract with Sears, Roebuck & Co. The court set aside the order and both the company and the commission asked the supreme court for a review to determine whether the practice complained of was a violation of the original statute. The supreme court held that the case had not become moot and that passage of the Robinson-Patman act did not remove the right of either the company or the commission to have the order reviewed.

Razor Price Control Stopped by F.T.C.

OPD Washington Bureau
May 16, 1938

Schick Dry Shaver, Inc., Stamford, Conn., and the Progress Corporation, New York, have agreed in stipulations with the Federal Trade Commission to discontinue their resale price-maintenance plans, which the commission had attacked as unfair methods of competition. These price plans were not of the type of contractual agreements under fair trade laws.

Each of the razor companies has agreed to cease making oral or written agreements which involve cooperation with its dealers to maintain a fixed retail selling price, or to limit the channels of distribution of its razors where the effect or tendency of the agreements is to deprive the dealer of his right legitimately to control the price at which he may wish to sell such products which he has purchased and owns, or to sell them to whom he desires and at the profit he may elect.

The companies will discontinue enforcing the sales policy under which they and their dealers undertook to prevent others from obtaining their

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Alcohol Floor Tax Hearing Date Set

OPD Washington Bureau
May 19, 1938

The house committee on ways and means will hold a public hearing May 25 on the resolution introduced by Representative Emmett O'Neal, of Kentucky (H.J.Res. 683), to levy a floor tax of 25 cents per proof gallon on distilled spirits held on July 1, 1938.

The revenue bill now before President Roosevelt for signature increases the distilled spirits tax from $2 to $2.25 per gallon as of July 1, but does not provide for a floor tax. The O'Neal resolution would apply the floor stock tax of 25 cents per gallon on tax-paid distilled spirits in excess of 50 gallons held by a retailer or on any quantity held by others when intended for sale for beverage purposes or for use in the manufacture or production of any article intended for sale for beverage purposes.

R.J. Moore President Of Chemists Institute

Robert J. Moore, development manager of the varnish-resin department of the Bakelite Corporation, this city, was elected president of the American Institute of Chemists at the annual meeting in the Claridge hotel, Atlantic City, May

Underwood & Underwood

Robert J. Moore

13. In addition to the election of officers, the meeting was featured by the presentation of the institute's medal to Dr. Frederick G. Cottrell for "noteworthy and outstanding service to the science of chemistry and to the profession of chemists."

Other officers for the coming term of the the institute are:—Vice-president, Joseph W. E. Harrisson, of LaWall & Harrisson, Philadelphia; secretary, Howard S. Neiman, this city; treasurer, Burke H. Knight. Councilors:—William T. Read, of Rutgers University, New Brunswick, N. J.; Gustav Egloff, director of research for the Universal Oil Products Company, Chicago; and Norman A. Shepard, director of technical service for the American Cyanamid Company, Stamford, Conn.

Walter A. Schmidt, of the West Precipitation Corporation, Los Angeles, Calif., in presenting the medal to Dr. Cottrell, outlined the achievements of the medalist. Mr. Schmidt said that Dr. Cottrell was one of the principal directors of research for the Bureau of Mines during the World War, which resulted in perfecting a process to recover helium from oil well gases at the cost of one cent per cubic foot. Dr. Cottrell spoke on the interrelation of physics and chemistry as applied to biology, particularly to that of plants. He described some of his recent experiments in that field.

Gilbert E. Seil, an internationally known chemist and metallurgist, spoke on the "Chemist in Industry." He pointed out that it is imporfant for a chemist to have a plan of procedure when he leaves the university. This

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Cottonseed Ass'n Asks U.S. To Extend Sampling Supervision

Establishment of government supervision of sampling, grading and analyzing of cottonseed throughout the entire Cotton Belt was urged by John R. Petty, in his address as president of the National Cottonseed Products Association, at its forty-second annual meeting, held in the Roosevelt hotel, New Orleans, May 16 to 18. Mr. Pettey favored the inauguration within the industry of an eight-hour day with fair wages, and he opposed the setting up of additional cotton oil mills, cooperatively or privately owned. T. J. Kidd, of Birmingham, Ala., was elected president. No other officers were elected.

Mr. Pettey said that government supervision of sampling, analyzing and grading of cottonseed has been established in Illinois, Missouri, Arkansas, Tennessee and Mississippi and in Louisiana, north of the Red river. Alabama and Georgia, he said, have asked for government supervision. He was of the belief that in a short time additional progress would be made along these lines. He suggested that mills establish in their operations an eight-hour day and fair hourly wages.

He declared there were too many oil mills for the available tonnage of raw materials, and that the competitive conditions were more than sufficient to maintain fair seed prices and to reduce profits below levels which industry has a right to expect. He concluded by saying that the association had donated 200 tons of seed for the continuation of experiments at the University of Tennessee for the purpose of broadening the outlets for their products.

T. J. Kidd, in accepting the presidency of the association, declared he was interested in seeing control, through taxes or quotas, of imports of edible oils in excess of domestic requirements. He also declared in favor of removing the tax burdens on margarin.

Other officers are: Executive vice-president, T. H. Gregory; secretary-treasurer, S. M. Harmon. Directors at large elected were: O. E. Jones, of Chicago, Ill.; W. H. Knapp, of Cincinnati, and Q. T. Petersen, of New Orleans. Regional directors: Alabama, J. H. Bryson, of Dothan; Arkansas, P. F. Cleaver, of Little Rock; Georgia, R. N. Whitham, of Louisville; Louisiana, C. W. Wallace, of West Monroe; Mississippi, George W. Covington, of Jackson; North Carolina and Virginia, J. I. Morgan, of Framville, N. C.; Oklahoma, A. L. Durand, of Hobart; South Carolina, Albert Jordan, of Hartsville; Tennessee, Kentucky, Missouri and Illinois, R. H. Patterson, of Trenton, Tenn.; Texas and New Mexico, Henry Wunderlich, of Corpus Christi, Tex., and all other States west of the Mississippi river, W. B. Goberly, of Los Angeles, Cal.

G. S. Medley senior marketing specalist for the Department of Agriculture, explained the procedure of the department in the supervision of sampling and grading. He said that the cooperation of a mill consists of submitting the sampling and grading of its purchases of cottonseed to the supervision of the Department of Agriculture by having one or more of its employees apply for a cottonseed sampler's license so they may draw samples of all cottonseed delivered at the mill, prepare and certificate the authenticity of such official samples as a quasi agent of the Department of Agriculture.

This presumes, of course, he said, that a mill will grant to our inspectors immediate and unhindered access so that they may properly inspect all licensed samplers for the purpose of checking their activities and seeing that their duties are being performed in accordance with directions issued by the department.

Finally, he added, the mill demonstrates its cooperation by having all such official samples analyzed and graded by unbiased chemists who, by reason of a license issued to them by the department, carry an official stamp of approval as to their competency and at the same time give notice to the public that their activities as chemists are subject to the inspection and approval, as well as the public disapproval of the department. Under the regulations, he said, either party may appeal from the grading of any licensed chemist within one week of the date of the grade certificate. Such appeals are, he added, directed to the Bureau of Agricultural Economics at Memphis office of the department. He estimated the official certificates issued by licensed cottonseed chemists this season represented between one and one and one-half million tons of cottonseed.

He said the department has a 100 percent sign-up of the mills in Tennessee, Illinois and Missouri; practically 100 percent of the mills of Louisiana north and east of the Red river; in Mississippi and in Arkansas 100 percent, if we overlook the Oklahoma-Texas border, where this year operations have been difficult. We hoped that next season, even though the department was not able to extend the work to cover Texas and Oklahoma because of lack of funds, that the mills in those States, when they buy in Arkansas and Louisiana, will show that same spirit of cooperation that most of the mills in Alabama did this past season when they purchased in

—Continued on page 54

S.O.C.M.A. Outing At Skytop June 2 and 3

The annual Spring outing of the Synthetic Organic Chemical Manufacturers Association and joint meeting with the Manufacturing Chemists' Association, on the occasion of their annual meeting, will take place at Skytop lodge, Skytop, Pa., June 2 and 3.

The golf tournament of the Synthetic Organic Chemical Manufacturers Association for members and friends will be held June 3. An informal dinner for members and guests of both associations will take place Thursday evening, at which Bainbridge Colby, a former Secretary of State, will be the guest speaker. The synthetic organic association members are invited to attend the meeting of the Manufacturing Chemists Association on the morning of June 2. Reservations for members of the synthetic organic association are being handled by C. A. Mace, secretary of the association whose office is located in 260 West Broadway, this city.

Potash Industry Probe Extended by Senate

OPD Washington Bureau
May 18, 1938

The senate today passed a resolution extending for another two years the time in which its committee on public lands and surveys may submit a report on its investigation of the domestic potash industry.

The resolution directing the investigation was enacted June 18, 1936. A subcommittee paid a visit to the potash workings in New Mexico and held a brief public hearing, but has never filed a report. The resolution adopted today gives the committee until the expiration of the seventy-sixth Congress in which to file its report.

Trade Data Service May Be Transferred

OPD Washington Bureau
May 18, 1938

A proposal to transfer to the Department of State some of the activities of the Bureau of Foreign and Domestic Commerce of the Department of Commerce is being considered by President Roosevelt, it became known this week.

First reports were to the effect that the plan involved bodily transfer of most of the activities of the bureau dealing with foreign trade, and that, on learning of the plan, the Secretary of Commerce, Daniel C. Roper, threatened to resign if it were carried out. It was later stated officially that Secretary Roper will not resign, from which it is inferred that the plan either was not so drastic as first reported or that it is being reconsidered and modified.

Some five years ago a coordination plan was agreed upon between the two departments, more clearly delineating the functions of commercial attaches, trade commissioners, and consuls, and setting up channels through which foreign reports clear. It is understood that the Department of State feels that commercial attaches should be under its control since these officials have diplomatic status and much of their work has a bearing on diplomatic affairs.

V 132 1 MAY 23 1938 XUM

Your choice of 5 White-Leads

THE NEW 333

H.T.S.

THE NEW 111

CARTER

DUTCH

—to meet every paint manufacturing requirement

"You need all five fingers to count 'em now," says the Dutch Boy. He means that our line has been increased from three white-leads to five. So we are now in a much better position to give the paint grinder *exactly what he wants.*

First on the list come those two stalwarts, Dutch and Carter. Next you have H. T. S. with increased paint thickening power, tinting strength and hiding power. And now the two new additions, the 333 and 111 White-Leads. Both have higher paint thickening power, tinting strength and hiding power than any other white-lead on the market. For example, No. 111 rates about twice as high in these qualities as Dutch.

Remember that no matter which one of the five you choose, you can be sure of uniformity. Remember, also, that the more white-lead you use, the better the paint. Step up the white-lead in your formula —and you automatically step up the quality and durability of your paint.

NATIONAL LEAD COMPANY—111 Broadway, New York; 116 Oak St., Buffalo; 900 West 18th St., Chicago; 659 Freeman Ave., Cincinnati; 1213 West Third St., Cleveland; 722 Chestnut St., St. Louis; 2240 24th St., San Francisco; National-Boston Lead Co., 800 Albany St., Boston; National Lead & Oil Co. of Penna., 316 Fourth Ave., Pittsburgh; John T. Lewis & Bros. Co., Widener Bldg., Philadelphia.

Current Market Quotations

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When not otherwise indicated, quotations are f. o. b. New York prices on large lots. Prices changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

A

Acacia (see Gum, Arabic)
Acetal, dms., works....lb. .75 - 1.00
Acetaldehyde, 99%, 55 & 110 gls., dms., dlvd..lb. .14 - —
5 & 10 gal. dms., dlvd.....lb. .16 - —
Acetamide, CP, kgs., 1,000 lb. lots, dlvd..lb. .44 - —
tech., kgs, 1,000 lb. lots, dlvd. lb. .39 - —
Acetanilide, tech., 95%, bbls..lb. .29 Nom.
USP, cryst., bbls., 2,000 lb. lots lb. .32 - —
smaller lots.....lb. .33 - —
dms., 25 lb. lots.....lb. .38 - —
kgs, 2,000 lb. lots.....lb. .33 - —
smaller lots.....lb. .34 - —
powd., bbls., 2,000 lb. lots..lb. .30 - —
smaller lots.....lb. .31 - —
dms., 25 lb. lots.....lb. .36 - —
kgs., 2,000 lb. lots.....lb. .31 - —
smaller lots.....lb. .32 - —
Acetoacetanilide, dms.....lb. .65 - .70
Acetone, CP, dms., c.l., dlvd..lb. .05¾- —
l.c.l., dlvd.....lb. .06¼- —
tanks, dlvd.....lb. .04¾- —
Methyl (see M)
Acetonphenone, bots.....lb. 1.30 - 1.45
cns., 25 lbs.....lb. 1.15 - 1.25
dms., 100 lbs.....lb. 1.05 - —
Acetophenetidin, bbls., kegs, 1,000 lbs..lb. 1.30 - —
single pkg.....lb. 1.35 - —
smaller pkgs.....lb. 1.62 - 1.40
Acid, abietic, dms., c.l.....lb. .08¾- —
l.c.l. .....lb. .09 - .12
Acetic, coml. or redist., 28%, bbls..100 lbs. 2.23 - 2.48
cbys. .....100 lbs. 2.73 - 2.98
56%, bbls.....100 lbs. 4.15 - 4.40
cbys. .....100 lbs. 4.65 - 4.90
70%, bbls.....100 lbs. 5.17 - 5.42
cbys. .....100 lbs. 5.67 - 5.92
80%, bbls.....100 lbs. 5.89 - 6.14
cbys. .....100 lbs. 6.39 - 6.64
glacial, nat., CP., cbys..100 lbs. 14.00 - —
99.5%, nat., bbls., c.l., 100 lbs. 7.62 - 7.87
cbys. .....100 lbs. 8.12 - 8.37
syn., al. dms., c.l.100 lbs. 8.43 - 8.68
cbys. .....100 lbs. 8.93 - 9.18
USP, dms.....100 lbs. 10.25 -10.50
cbys. .....100 lbs. 10.75 -11.00
pure, 30%, bbls., c.l..100 lbs. 3.28 - 3.53
cbys. .....100 lbs. 3.78 - 4.03
36%, bbls., c.l.....100 lbs. 3.66 - 3.91
cbys. .....100 lbs. 4.16 - 4.41
60%, bbls., c.l.....100 lbs. 6.15 - 6.40
cbys. .....100 lbs. 6.65 - 6.90
80%, bbls., c.l.....100 lbs. 7.68 - 7.93
cbys. .....100 lbs. 8.18 - 8.43

Acetic acid prices above apply delv'd at destination in the following States: Conn., Dela., D. of C., Md., Mass., N. J., N. Y., N. and S. Car., R. I., Penna., and Va. For all other States, except Wash., Ore., and Calif., prices are f.o.b. works, frt. equalized.

Acetic, anhydride, dms., c.l., frt. alld..lb. .10½- .11½
l.c.l., dms., frt. alld.....lb. .12 - .13
Acetylsalicylic, USP, bbls., 200 lbs..lb. .60 - —
boxes, 25 lbs.....lb. .61 - —
kgs., 100 lbs.....lb. .60 - —
Anthranilic, refd., bbls.....lb. 1.15 - 1.20
tech., bbls.....lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP, powd., dms., kegs...lb. .22 - .25
Ascorbic, bots., dms.....oz. 3.00 - 3.25
Battery, cbys, c.l., E. works 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works, 100 lbs. 1.85 - —
10-24, E. works....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. or more lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. or more..lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .59 - .60
Boric, tech., 99.5%, gran., bbls., contracts, 80 tons, delvd. ton.105.00 - —
c.l., delvd.....ton.110.00 - —
l.c.l., ex whse.....ton.115.00 -120.00
sks., contracts, 80 tons, delvd..ton. 95.00 - —
c.l., delvd.....ton.100.00 - —
l.c.l., ex whse.....ton.105.00 -110.00
powd., bbls., contracts, 80 tons, delvd..ton.110.00 - —
c.l., delvd.....ton.115.00 - —
l.c.l., ex whse.....ton.120.00 -135.00
sks., contracts, 80 tons, delvd..ton.100.00 - —
c.l., delvd.....ton.105.00 - —
l.c.l., ex whse.....ton.110.00 -125.00
USP, $25 per ton higher.
Broenner's, bbls.....lb. 1.11 - —
Butyric, 99%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Camphoric, cns.....lb. 5.50 - 5.70
Capric, dms.....lb. .12 - .12½
Caproic, cns.....lb. 2.20 - —
Carbolic (see Phenol).
Castor oil, split, dms.....lb. .17½- .18
Chinawood oil, dms.....lb. .18 - .18½
Chlorosulphonic, dms., c.l., works..lb. .0350- —
5-drum lots, works.....lb. .04 - —
single drum.....lb. .05 - —
tanks, works.....lb. .03 - —
Chromic, 99%, dms., delvd. N. Y..lb. .15¼- .17¼
Cinnamic, refd., bots.....lb. 2.85 - 3.25
Citric, cryst., gran., bbls., car lots..lb. .23 - —
10,000 lb., lots, one shipt., lb. .23½- —
smaller lots.....lb. .24 - —
kegs .....lb. .24½- —
anhyd., gran., dms.....lb. .26½- —
powd., dms.....lb. .27 - —

Citric acid quotations on powder are ½c. higher than crystals. Keg packing is ½c. higher than barrels. Prices are f.o.b., N. Y. Chicago and St. Louis deliveries are ½c. higher than N. Y.

Cleve's, bbls..... .....lb. .57 -

Acid, coconut oil, dist., dms..lb. .09½- .10
Corn, dist., dms.....lb. .06 - .06½
Cottonseed oil, dist., dms....lb. .0635- .0735
tanks .....lb. .0585- —
Cresylic, high-boil, dom., c.l., works, frt. equaled..gal. .79 - —
l.c.l., same basis.....gal. 81 - —
low-boil, dms., c.l., works frt. equaled..gal. .87 - —
l.c.l., same basis.....lb. .89 - —
imported, pale, 97-99, dms., gal. .75 - .86½
Cretonic, bbls., dlvd.....lb. .21 - —
smaller containers, dlvd....lb. .50 - —
Diethylbarbituric (see Barbital))
Formic, dom., seaboard, 90% cbys., f.o.b. stock points, c.l...lb. .10½- —
l.c.l., 25 and over.lb. .11 - —
1-24 .....lb. .11½- —
inland territory, cbys., c.l.lb. .1185- —
l.c.l., 25 and over.....lb. .1235- —
1-24 .....lb. .1285- —
southern territory, cbys., c.l., lb. .1170- .1240
l.c.l., 25 and over.....lb. .1220- .1290
1-24 .....lb. .1270- .1320
Fumaric, bbls. .....lb. .75 - —
Gallic, tech., bbls.....lb. .70 - .73
N. F., VI, bbls., 200 lbs., 5 or more..lb. .77 - —
single bbls. .....lb. .80 - —
fib. dms., 25 lbs.....lb. .81 - —
Gamma, bbls. .....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .20 - —
H, bbls. .....lb. .50 - .55
Hempseed oil, dms.....lb. .1180- .1225
Hydriodic, 47%, bots.....lb. 2.20 - 2.25
57%, bots. .....lb. 2.65 - 2.70
Hydrobromic, 10% dilut., USP, lb. .20 - .21
pure, 34% conct, cbys.....lb. .42 - .44
Hydrochloric (see Muriatic).
Hydrocyanic, cyls, works...lb. .80 - 1.00
Hydrofluoric, 30%, bbls.....lb. .07 - .0750
lead, cbys. .....lb. .09 - .0950
48%, lead cbys.....lb. .1150- .12
52%, lead cbys.....lb. .1250- .13
60%, lead cbys.....lb. .15 - .1550
Hydrofluosilicic, 30-35%, bbls.lb. .10½- .15
Hypophosphorus, USP, 30%, djns..lb. .75 - —
Lactic, tech., dark, 22%, bbls., c.l., works..100 lbs. 2.50 - —
l.c.l., bbls., works..100 lbs. 2.75 - —
cbys., works....100 lbs. 3.75 - —
44%, bbls., c.l., works, 100 lbs. 5.50 - —
l.c.l., bbls., works..100 lbs. 5.75 - —
cbys., works....100 lbs. 6.75 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., bbls., works..100 lbs. 3.75 - —
cbys., works....100 lbs. 4.75 - —
44%, bbls., c.l., works, 100 lbs. 6.50 - —
l.c.l., bbls., works..100 lbs. 6.75 - —
cbys., works....100 lbs. 7.75 - —
50%, edible, 20 and over, bbls., cbys..lb. .10½- .11½
plastic grade .....lb. .12¼- .13¼
5 to 19, edible, bbls., cbys., lb. .11 - .12
plastic grade.....lb. .12¾- .13¾
1 to 4, edible, bbls., cbys., lb. .11¼- .12½
plastic grade.....lb. .13¼- .14½
80%, 5 and over, bbls., cbys..lb. .21 - .22
1 to 4 bbls., cbys.....lb. .21½- .22½
USP, XI, 85%, cbys.....lb. .43 - .45
USP, VIII, 75%, cbys.....lb. .41 - .43
Lauric, split, dms.....lb. .08¼- 09
Laurent's, bbls.....lb. .45 - —
Levulinic, 5lb. bots., works.lb. 2.00 - —
Linseed, oil, dark or light, dms..lb. .1090- .1140
extra white, dist., dms....lb. .13 - .13½
Maleic, powd., dms.....lb. .30 - .40
anhydride, dms.....lb. .33 - .43
Malic powd., kegs.....lb. .45 - .60
Mandelic, bots.....lb. 2.30 - —
dms., 1,000 lbs...lb. 1.90 - —
smaller lots .....lb. 2.15 - —
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .0085- .009
Molybdic, kgs., works.....lb. .95 - 1.10
Monochloroacetic, tech., bbls.lb. .15 - .18
Monosulphonic, bbls. .....lb. 1.50 - 1.60
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works..100 lbs. 1.85 - —
1 to 9, works..100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works, 100 lbs. 1.75 - —
l.c.l., 25 and over, works, 100 lbs. 2.00 - —
10 to 24, works..100 lbs. 2.10 - —
1 to 9, works..100 lbs. 2.70 - —
tanks, works.....100 lbs. 1.15 - —
22°, cbys., c.l., E. works, 100 lbs. 2.25 - —
l.c.l., 25 and over, works, 100 lbs. 2.50 - —
10 to 24, works..100 lbs. 2.60 - —
1 to 9, works..100 lbs. 3.20 - —
tanks, works.....100 lbs. 1.65 - —
C.P., USP, dealers, cbys..lb. .06½- —
6-lb. bots.....lb. .18½- —
consumers, cbys.....lb. .08 - —
6-lb. bots.....lb. .20 - —
Myristic, dist., dms.....lb. .15¾- .16¼
Naphthenic, S.V. 120-200, dms., lb. .07 Nom.
210-230, dms.....lb. .09 Nom.
240-280, dms.....lb. .10 Nom.
sludges, dms.....lb. .05 Nom.
Nevile & Winther's, bbls.....lb. .63 - —
Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works..100 lbs. 5.35 - —
1 to 9, works..100 lbs. 5.95 - —
38°, cbys., c.l., E. works, 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 5.75 - —
10 to 24, works..100 lbs. 5.85 - —
1 to 9, works..100 lbs. 6.45 - —
Acid, nitric, 40°, cbys., c.l., E. works..100 lbs. 6.00 - —
l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24, works..100 lbs. 6.35 - —
1 to 9, works..100 lbs. 6.95 - —
42°, cbys., c.l., E. works, 100 lbs. 6.50 - —
l.c.l., 25 and over, works, 100 lbs. 6.75 - —
10 to 24, works..100 lbs. 6.85 - —
1 to 9, works..100 lbs. 7.45 - —
C.P., USP, dealers, cbys...lb. .11½- —
7-lb. bots.....lb. .22½- —
consumers, cbys.....lb. .13 - —
7lb. bots.....lb. .24 - —
Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works, lb. .10¾- —
10,000 lbs., and over....lb. .11 - —
smaller quantities.....lb. .12 - .14
Palm oil, d. dist., dms.....lb. .0650- .0740
s. dist., dms.....lb. .0590- .0680
Perilla, dist., dms.....lb. .1522- .1572
Phenylacetic, bots.....lb. 1.85 - 3.25
Phosphoric, tech., 50%, cbys.lb. .06 - —
75%, cbys.....lb. .09 - —
USP, 85%, s. g. 1.710, cbys., 180 lbs..lb. .12 - —
50% s. g., 1347, cbys., 70 lbs..lb. .12 - —
djns., 25 lbs.....lb. .15 - —
10%, dilut., cbys., djns...lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic ref., cbys., works..lb. .25 Nom.
dms., works.....lb. .22 Nom.
tech., cbys., works.....lb. .20 Nom.
dms., works.....lb. .16 Nom.
Pyrogallic, tech., lump, powd., bbls..lb. 1.05 - —
cns. .....lb. 1.10 - —
USP, cryst., cns.....lb. 1.45 - 1.63
resubl., cns.....lb. 2.05 - 2.15
Pyroligneous, bbls., dlvd. E. gal. .25 - —
Ricinoleic, dms .....lb. .35 - —
tech., bbls.....lb. .13 - —
Salicylic, tech., bbls.....lb. .33 - —
USP, bbls.....lb. .40 - .45
Sebacic, C.P., bbls., works..lb. .58 - —
tech., bbls., works.....lb. .37 - .41
Soybean oil, dist., dms.....lb. .09 - .09¼
Stearic, distil., double pressed, bgs., dlvd..lb. .11 - .12
single pressed, bgs., dlvd..lb. .10½- .11½
triple pressed, bgs., dlvd..lb. .13¾- .14¾
saponif., double pressed, bgs., dlvd..lb. .11¼- .12¼
triple pressed, bgs., dlvd.lb. .14 - .15
Succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots, works.lb. 1.60 - 1.68
tech., dms., works.....lb. .17 - —
Sulphonaphthenic, dms.....lb. .04 - .10
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 and over, works, 100 lbs. 1.50 - —
10 to 24, works..100 lbs. 1.60 - —
1 to 9, works..100 lbs. 2.20 - —
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works, 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works..100 lbs. 1.85 - —
1 to 9, works..100 lbs. 2.45 - —
tanks, E. works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
C.P., USP., dealers, cbys., lb. .06½- —
9-lb. bots. .....lb. .16½- —
consumers, cbys. .....lb. .08 - —
9-lb. bots. .....lb. .18 - —
fuming, 20%, tanks, E. works, ton.18.50 - —
65%, tanks, E. works....ton.36.00 - —
Tannic, tech., bbls., dms...lb. .40 - .47
USP, fluffy, bbls., 1,000 lb.-100-lb. lots .....lb. .90 - —
25-lb. lots .....lb. .93 - —
powd., bbls., 1,000 lbs....lb. .78 - —
smaller lots .....lb. .80 - —
Tartaric, USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipment..lb. .26¼- —
smaller quantities.....lb. .26¾- —
kgs. .....lb. .27¼- —
Tobias, bbls. .....lb. .65 - —
Trichloroacetic, bots. .....lb. 2.00 - 2.50
Tungstic, CP, kgs. works....lb. 2.85 - 3.10
tech., kgs., works.....lb. 1.90 - 2.00
Aconite, leaves, bls.....lb. .25 - .26
Root, bls.....lb. .29 - .32
Aconitine, amorph., bots.....oz.17.00 -18.00
vis. .....gr. .06 - .09
cryst., bots.....oz.30.00 - —
vis. .....gr. .09 - .11
Adeps lanae, anhyd., dms....lb. .17½- .19
hyd., dms.....lb. .16 - .18
Agar 1, bls.....lb. .80 - .85
2, bls.....lb. .75 - .80
3, bls. .....lb. .63 - .65
Agaric, white, bls.....lb. 3.00 - 3.20
Albumen, blood, dark, flake, bgs., f.o.b. Chicago, frt. alld....lb. .13 - —
pow'd, grade A, same basis, ton lots..lb. .15 - —
lots..lb. .88 - —
smaller lots, same basis. lb. .18 - —
light, dom., flake, dms., f.o.b., Chicago., frt. alld. lb. .52 - .60
import, bgs. .....lb. .50 - —
Egg, ed., dom., cryst., bbls., lb. .82 - .84
dom., pwd., dms., bbls., lb. .86 - .88
import, cs. .....lb. .85 - —
Alcohol, amyl (see also Fusel oil, refd.), ex pentane dms., c.l., frt. alld..lb. .133 - —
l.c.l., frt. alld.....lb. .143 - —
tanks, frt. alld.....lb. .123 - —
secondary, dms., c.l., frt. pd., E. of Rocky Mts..lb. .09½- .10
l.c.l., same terms.....lb. .10 - .10½
tanks, same terms.....lb. .08½- .09
Benzyl, cans.....lb. .68 - —
drums .....lb. .63 - —
Butyl, normal, dms., c.l., frt. alld..lb. .10 - —
l.c.l., frt. alld.....lb. .10½- —
tanks, frt. alld.....lb. .09 - —
secondary, dms., c.l., frt. pd., E. of Rocky Mts..lb. .07 - —
l.c.l., same terms.....lb. .07½- —
tanks, same terms.....lb. .06 - —

Alcohol, butyl, tertiary, denat-ing, dms., frt. alld..lb. .14 - —
Capryl, pure, dms., works...lb. 2.50 - —
tech., dms., works.....lb. .85 - —
Cetyl, dom., C.P., fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs.....lb. 1.70 - —
100 lbs.....lb. 1.80 - —
25 lbs.....lb. 1.90 - —
5 lbs.....lb. 2.00 - —
com'l., dms.....lb. .95 - —
import, 85%, 100 lb. dms...lb. .55 - —
5 to 10 lbs.....lb. .75 - —
coml., dms., 350 lbs.....lb. .45 - —
Cinnamic, bots.....lb. 2.00 - 2.50
Denatured, CD11, 12, 13, dms., c.l., works, E..gal. .33 - —
l.c.l., works, 20 dms....gal .35 - —
1 to 19 dms.....gal. .38 - —
tanks, E., works.....gal. .27 - —

Prices for territories other than E. of Rockies, 3c. per gal. higher. Tankcar sales require written authorization by Alcohol Tax Unit.

SD1, 190 pf., bbls., c.l., E. works..gal. .32 - —
19 bbls., E. works...gal. .34 - —
1 to 18 bbls., E. works, gal. .37 - —
dms., c.l., E. works....gal. .31 - —
19 dms., E. works...gal. .33 - —
1 to 18 dms., E. works, gal. .36 - —
tanks, E. works.....gal. .25 - —

Anhydrous, 5c. per gal. higher.

SD23-G, works, E., dms., c.l., gal. .35½- —
19 dms.....gal. .37½- —
1 to 18 dms.....gal. .40½- —
tanks .....gal. .29½- —

Prices for territories other than E. of Rockies, 3c. per gal. higher.

Special solvent, dms., c. l., E. works..gal. .32 - —
20 dms., E. works...gal. .34 - —
1 to 19 dms., E. works, gal. .37 - —
tanks, E. works.....gal. .26 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone, pure, contract, dms., c.l., frt., alld..lb. .11¼- —
l.c.l., frt. alld.....lb. .12 - —
tech., contract, dms., c.l., frt. alld..lb. .10¾- —
l.c.l., frt. alld.....lb. .11 - —
Ethyl, 190 pf., ex molasses, bbls., c.l..gal. 4.11 - —
19 bbls.....gal. 4.13 - —
1 to 18 bbls.....gal. 4.16 - —
dms., c. l.....gal. 4.10 - —
19 dms.....gal. 4.12 - —
1 to 18 dms.....gal. 4.15 - —
tanks .....gal. 4.04 - —
absolute, dms., c.l.....gal. 4.40 - —
19 dms.....gal. 4.42 - —
1 to 18 dms.....gal. 4.45 - —

Grain alcohol 25c. per gal. higher.

Furfuryl, tech., cns., works..lb. .45 - —
dms., c.l., 33,000 lbs., works, lb. .80 - —
l.c.l., 500 lbs. and more, works..lb. .85 - —
Hexyl, secondary, dms., c.l., frt. pd. E. of Rocky Mts.lb. .13 - —
l.c.l., same terms.....lb. .13½- —
tanks, same terms.....lb. .13 - —
Isoamyl, primary, dms., l.c.l., dlvd..lb. .27 - —
cans, works.....lb. .32 - —
Isobutyl, refd., dms., c.l., works, frt. alld. E. of Rockies.lb. .09¼- —
l.c.l., same terms.....lb. .10 - —
tanks, same terms.....lb. .08¼- —
Isopropyl, 99%, c.l., dms., f.o.b., dest..gal. .36 - —
l.c.l., same basis.....gal. .41 - —
tanks, same basis.....gal. .31 - —
refd., 91%, dms., c.l., same basis..gal. .36 - —
l.c.l., same basis.....gal. .41 - —
tanks, same basis.....gal. .31 - —
tech., 91%, dms., c.l., same terms..gal. .33¼- —
l.c.l., same terms....gal. .38¼- —
tanks, same terms.....gal. .28¼- —
98%, dms., c.l., same terms, gal. .37½- —
l.c.l., same terms....gal. .42½- —
tanks, same terms.....gal. .32½- —
Methyl (see Methanol)
Phenylethyl, bots., cns.....lb. 2.70 - 4.25
Propyl (see Isopropyl)
Aldehol, denat., grade, dms., tanks, works.....gal. .70 - .72
Aldehyde bisulphite bbls., dlvd. lb. .17 - —
smaller containers.....lb. .20 - —
Aldol, 95%, 55 & 110 gal. dms., dlvd...lb. .20 - —
5 & 10 gal. dms., dlvd....lb. .22 - —
Aletris root, bgs.....lb. .38 - .39
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. .10 - .11
Aloe, Barbados, true, cs.....lb. .85 - .90
Cape, cs. .....lb. .20 - .22
Curacao, cs. .....lb. .35 - .4
gourds, bbls.....lb. .50 - .58
Socotrine, kgs.....lb. .45 - .50
Aloin, 140-lb. bbls. .....lb. 2.25 - —
100-lb. kegs.....lb. 2.27 - —
25-lb. fib. dms.....lb. 2.34 - —
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Althea root, cube cut, bls.....lb. .30 - .32
Alum, ammonia, burnt, USP, bbls. kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 3.15 - 3.40
dlvd. N.Y., Phila..100 lbs. 3.15 - —
lump, bbls., works....100 lbs. 3.40 - 3.65
dlvd. N.Y., Phila..100 lbs. 3.40 - —
powd., bbls., works....100 lbs. 3.55 - 3.80
dlvd. N.Y., Phila..100 lbs. 3.55 - —

Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N.Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point; dlvd. N.Y. prices apply to truck or ex warehouse.

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Alum—Asbestos Fiber

Alum, potash, gran., bbls., works, 100 lbs. 3.40- 3.65
dlvd. N.Y., Phila..100 lbs. 3.40 - —
lump, bbls., works....100 lbs. 3.65 - 3.90
dlvd. N.Y. Phila...100 lbs. 3.65 - —
powd., bbls., works....100 lbs. 3.80 - 4.05
dlvd. N.Y., Phila..100 lbs. 3.80 - —
Potash alum prices on same basis as those for ammonia alum.
Potash-chrome, bbls.....lb. .06¼- .06½
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina acetate, 20% normal solut., bbls., c.l., dlvd..lb. .07½- —
l.c.l., dlvd.....lb. .09 - —
32%, basic solut., bbls., c.l., dlvd..lb. .10 - —
l.c.l., dlvd.....lb. .12 - —
basic powd., bbls., dlvd.....lb. .40 - —
smaller containers, dlvd. lb. .50 - —
Formate, 30% solut., bbls., c.l., dlvd..lb. .13 - —
l.c.l., dlvd.....lb. .15 - —
Chloride, anhyd., com'l, dms. (extra), 45,000 lbs. and over, works..lb. .05 - —
12,000 to 40,000 lbs., works..lb. .06 - —
1,100 to 11,000 lbs., works..lb. .07 - —
140 to 875 lbs., works.lb. .08 - —
100 lbs., or less, works.lb. .09 - —
cryst., com'l, dms., c.l., works..lb. .06 - —
l.c.l., dms., works.....lb. .06½- —
solution, 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., cbys., works.....lb. .03¼- —
Hydrate, heavy, bbls., c.l., works..lb. .0290- —
l.c.l., bbls.....lb. .03½- —
bgs., c.l.....lb. .0260- —
light, bbls., dlvd.....lb. .12 - —
Oleate, dms., contr.....lb. .16¾- —
open order.....lb. .17½- .18½
Palmitate, precip., bbls.....lb. .23 - —
Resinate, precip., dms., dlvd.lb. .15 - —
Stearate, precip., bbls., ctns., c.l..lb. .19 - —
l.c.l., ton.....lb. .20 - —
less than ton.....lb. .21 - —
Sulphate, com'l, bgs., c.l. works, frt. equaled.100 lbs. 1.15 - —
l.c.l., works, frt. equald.. 100 lbs. 1.40 - —
bbls., c.l., works, frt. equald. 100 lbs. 1.35 - —
l.c.l., works, frt. equald. 100 lbs. 1.60 - —
iron-free, bgs., c.l., works... 100 lbs. 1.30 - —
l.c.l., works....100 lbs. 1.55 - —
bbls., c.l., works....100 lbs. 1.50 - —
l.c.l., works.....100 lbs. 1.75 - —
Aluminum, 98-99%, dms., c.l..lb. .20 - —
l.c.l. .....lb. .21 - —
paste, lining, extra fine, dms., 1,500 lbs..lb. .65 - —
ink, dms., 1,500 lbs....lb. .75 - —
standard, dms., 1,500 lbs..lb. .43 - —
powder, lining, extra fine, dms., 1,500 lbs..lb. .92 - —
standard, dms., 1,500 lbs.lb. .57 - —
litho, extra brilliant, dms., 1,500 lbs..lb. .43 - —
extra fine, dms., 1,500 lbs., lb. .47 - —
lining, dms., 1,500 lbs....lb. .57 - —
standard, dms., 1500 lbs..lb. .42 - —
varnish, extra brilliant, dms., 1,500 lbs..lb. .43 - —
extra fine, dms., 1,500 lbs.lb. .47 - —
standard, dms., 1,500 lbs.lb. .42 - —
Aluminum paste and powder prices for lots smaller than 1,500 lbs. are 10c. per lb. higher for less than 200 lbs.; 5c. per lb. higher for 200-400 lbs.; 2c. per lb. higher for 400,-1,000 lbs.; and 1c. per lb. higher for 1,000-1,500 lbs.; for partial shipments on contracts, prices are 3c. per lb. higher on lots of less than 200 lbs.; 1c. per lb. higher for 200-400 lbs.; and ½c. per lb. higher for 400-1,500 lbs.; for containers smaller than drums, prices are 1c. per lb. higher for 100 lbs.; 1½c. per lb. for 50 lbs.; 3c. per lb. for 10 lbs.; 5c. per lb. for 2 lbs.; 8c. per lb. for 1 lb.; and 12c. per lb. for ½ lbs.; on single shipments of 5,000 lbs. prices are 1c. per lb. lower; for 30,000 lbs. prices are 2c. per lb. lower. Transportation allowed East of Mississippi.
Ambergris, gray, tins.....oz. 17.00 -36.00
Aminopyrine, flb., dms., 100 lbs., lb. 4.00 - —
bots., 5 lbs. .....lb. 4.22 - 4.25
Ammonia, acetate, kgs.....lb. .26 - .28
Aldehyde, dms. .....lb. .65 - .70
Anhydrous, fertilizer, com'l, tanks (50,000 lbs.), works..lb. .04¼- —
refrigeration, tanks, works..lb. .68 - —
pure, cyls., dlvd., met. N.Y., lb. .16 - .22
Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.
Aqua, 26°, cbys.....lb. .05½- —
dms., c.l.....lb. .02¼- —
l.c.l. .....lb. .02½- —
tanks (on NH_3 content), dlvd., E..lb. .05 - .05½
Benzoate, dms., 4,000 lbs. or more..lb. .41 - .43
1,000 lbs. to 3,900 lbs....lb. .42 - .43
900 lbs. or less.....lb. .45 - .46
kgs., 4,000 lbs. or more...lb. .40 - —
1,000 lbs., to 3,900 lbs...lb. .41 - —
900 lbs. or less.....lb. .44 - —
Bicarbonate, bbls., c.l., works, 100 lbs. 5.15 - —
l.c.l., dlvd. N. Y....100 lbs. 5.71 - —
Bichromate, bbls.....lb. .32 - —
Bifluoride, bbls.....lb. .17 - .19
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .35 - —
bxs. .....lb. .33 - .39
kgs. .....lb. .36 - —
Carbonate, tech., dom., bbls. lb. .08 - .12½
imported, csks. .....lb. .08 - .12½
USP, lump, dms.....lb. .08 - .17
powd., bbls., dms.....lb. .09 - .26
Chloride, tech. (see Ammoniac, sal).
USP, gran., 225 lb. bbls....lb. .12 - .15
100 lb. kgs. .....lb. .15 - —
Citrate, dms. .....lb. .80 - —
cns. .....lb. .85 - —
Fluoride, bbls. .....lb. .17 - .19
Hydroxide, (see Ammonia, aqua),
Hypophosphite, flb., dms....lb. 1.10 - 1.17
jars .....lb. 1.20 - —
Iodide, 5-lb. bots.....lb. 3.32 - —
jars .....lb. 3.25 - —
Laurate, bbls. .....lb. .25 - —
Linoleate, 80%, anhyd., bbls.lb. .12 - .15
Molybdate, kgs., wks.....lb. 1.05 - 1.20
Naphthenate, bbls. .....lb. .17 - —
Nitrate, tech., bags, c.l., works, 100 lbs. 3.60 - —
l.c.l., works.....100 lbs. 3.85 - —
bbls., c.l., works.....100 lbs. 3.80 - —
l.c.l., works.....100 lbs. 4.05 - —
Oleate, dms.....lb. .14 - .15
Oxalate, neutral, cryst., powd., bbls., kgs..lb. .19 - .20
Perchlorate, kegs.....lb. .16 - —
Persulphate, kgs.....lb. .21 - .22
Phosphate, dibasic, N.F.V., bls., lb. .37 - —
kgs. .....lb. .39 - —
tech., bbls., c.l. .....lb. .07½- —

Ammonia, phosphate, dibasic, tech., l.c.l..lb. .09 - .10
monobasic, crude (fert. grade), 11% N 18% phos. bulk, f.o.b. E. works.. unit-ton. 1.20 & .70
pure, bbls. .....lb. .40 - .45
tech., bbls., c.l. .....lb. .07½- —
l.c.l. .....lb. .09 - .10
Ricinoleate, bbls. .....lb. .15 - —
Salicylate, U.S.P., kgs.....lb. 1.15 - 1.30
Stearate, anhydrous.....lb. .22 - —
paste .....lb. .07 - —
Sulphate, dom., bulk, c.l., f.o.b. ports or ovens.ton. 29.50 - —
Ammonia sulphate bag packing charged extra at $1.30 per ton for 200's and $2 per ton for 100's. Deliveries in Ill., Mich., Ind., Ohio, Wis., and Ohio river destinations in Ky. are f.o.b. ovens freight allowed.
Sulphide, liquid, 35-40%, basis 100%, dms,, works..lb. .12 - .15
tanks, delvd. .....lb. .11 - —
Sulphocyanide, com'l, flb., dms., 2,000 lbs., works.....lb. .14 - —
smaller lots, works.....lb. .16 - —
pure, 99-100%, kgs. .....lb. .55 - —
Ammoniac. gum (see Gum, ammoniac).
Sal, gray, dom,, bbls., c.l., 100 lbs. 5.50 - 5.75
l.c.l. .....100 lbs. 6.00 - 6.70
Sal, white, gran., dom., bbls., contracts, N. Y., l.c.l. 100 lbs. 4.90 - 5.05
import, csks.....100 lbs. 5.00 - 5.05
Amyl acetate, ex fusel oil, dms., c.l., works..lb. .11 - —
l.c.l., frt., alld.....lb. .11½- —
tanks, works.....lb. .10 - —
ex pentane, dms., frt. alld.lb. .125 - —
l.c.l., frt., alld.....lb. .135 - —
tanks, frt., alld.....lb. .115 - —

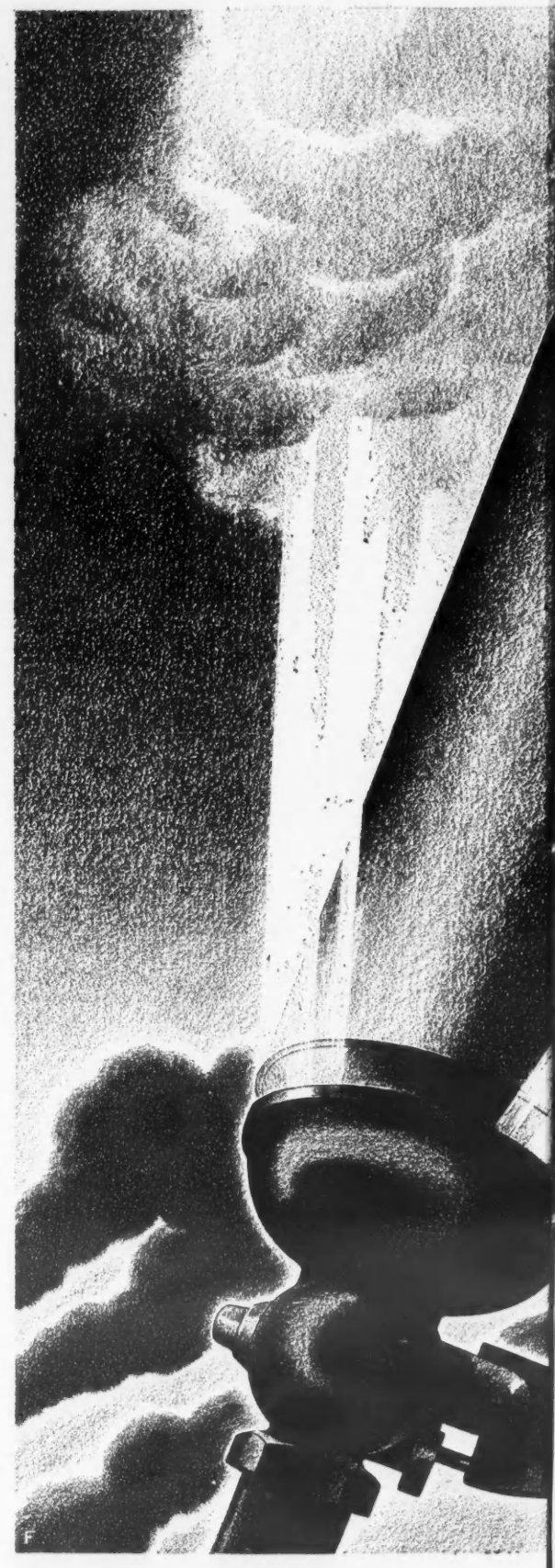
Amyl acetate, secondary, dms., c.l., frt., pd., E. of Rocky Mts..lb. .09½- —
l.c.l., same terms.....lb. .10 - —
tanks, same terms.....lb. .08½- —
Alcohol (see Alcohol amyl).
Butyrate, dms., 50 gal., returnable..lb. .75 - —
Caproate, cns.....lb. 2.75 - —
Chloride, normal, dms., works, lb. .56 - —
small lots, works.....lb. .68 - —
mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .077 - —
tanks, works.....lb. .06 - —
Cinnamic aldehyde, cns.....lb. 2.00 - 2.25
Nitrite, bots.....lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works.lb. 1.10 - —
Oleate, dms., l.c.l., works...lb. .25 - —
Salicylate, bots., 5 lbs.....lb. .61 - —
cns., 25 lbs.....lb. .51 - —
Stearate, dms., l.c.l., works..lb. .28 - —
Amylene, dms., c.l., works....lb. .102 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, bots. .....lb. 1.10 - 1.20
Angelica root, dom., bls.....lb. .16 - .22
import, natural, bls.....lb. .20 - .32
twisted, bls.....lb. .30 - .40
Angostura bark, bls.....lb. .30 - .31
Anilin oil, dms.....lb. .15 - .16
tanks .....lb. .14½- —
Salt, dms., works.....lb. .22 - .24
Anise, Spanish, bgs.....lb. .13¼- .13⅝
Star, bgs. .....lb. .13½- .14
Anisic aldehyde, bots.....lb. 3.00 3 [illegible]
Annatto paste, bxs.....lb. .34 - .39
seed, bgs .....lb. .07¼- .08
Anthraquinone, 99.5%, subl., bbl- lb. .65 - —

Antimony butter (see Antimony chloride)
Chloride, solut., cbys.....lb. .17 - —
Metal, spot .....lb. .12¼- —
Needle, powd., bbls.....lb. .12½- .14
Oxide, bbls., c.l. .....lb. .12 - —
l.c.l. .....lb. .12½- —
Antimony, Salts, 65%, kgs.....lb. .26 - .27
White, pigment, bgs., c.l., Texas works, frt. alld to ½c..lb. .11½- .14¼
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.15
Apomorphine, bots.....oz. 23.20 -23.70
Archil extract, con., bbls.....lb. .21 - .27
double, bbls.....lb. .18 - .20
triple, bbls .....lb. .18 - .20
Areca nuts, powd., bbls.....lb. .11 - .12
Arecoline hydrobromide, bots..oz. 4.35 - 4.50
Argols, test 70% to 85%, basis 100%, 100 kgm., purity, 100 kilos. 32.00 -34.00
Arnica flowers, bls.....lb. .28 - .30
Root, bls.....lb. .45 - .46
Arrowroot, St. Vincent, powd., bgs..lb. .08 - .08⅝
bbls. .....lb. .08½- .09
Arsenic iodide (arsenous), 5 lb. bots..lb. 5.15 - —
jars .....lb. 5.00 - —
Metal, lump, cs.....lb. .40 - .41
Red, import, cs.....lb. .15¾- .16½
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .03 - —
l.c.l. .....lb. .03¾- —
Arsenous chloride, cns.....lb. 4.85 - —
Asafetida, cs.....lb. .25 - .26
powd., bbls., bxs.....lb. .40 - .41
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5M, bgs., c.l. (20 tons), Canad. mines..ton. 42.50 - —
5R, bgs., c.l. (20 tons), Canad. mines..ton. 40.00 - —

RESEARCH HELPS KEEP WORK-WHISTLES BLOWING

CHEMICAL RESEARCH provides ways and means for industry to meet changing conditions and more exacting demands. Through chemistry new products that find a ready market are being developed... old products are improved and made available at lower cost. Efficiency in production methods is increased. As a result, consumer demands are created... work-whistles kept blowing... wheels turning ...men and machines working in many industries.

The trend toward lower production costs and product improvement goes forward steadily — for the chemical manufacturer's bread is won by the sweat of research directed toward the advancement of other manufacturers' standards. American Cyanamid is engaged constantly in such research — research that means savings and profits for customers. Let our extensive research facilities help you — through the cooperation of our technical staff in applying new and improved products to your own production problems. On the right are a few of the Cyanamid products backed by this helpful service.



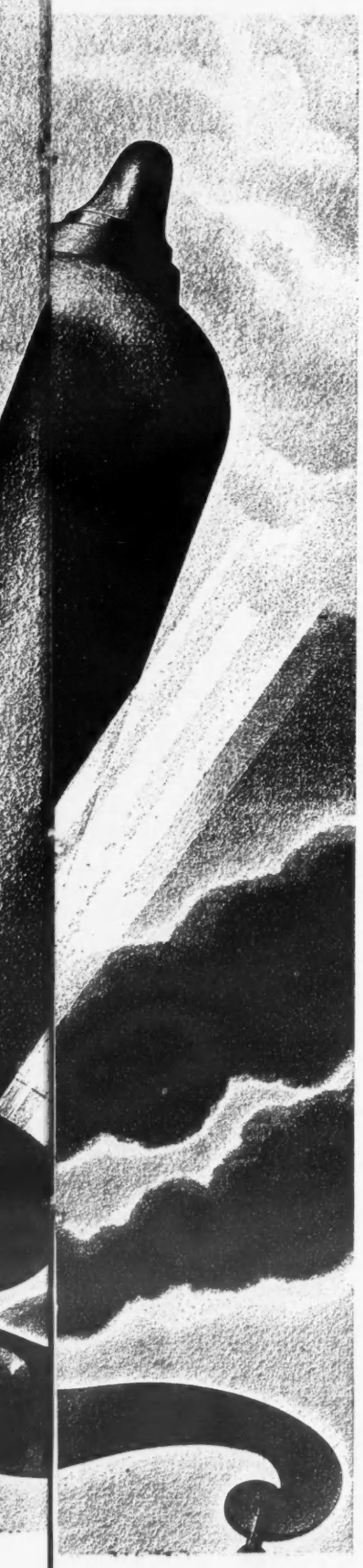
Asbestos fiber, 6D, bgs., c.l. (30 tons), Canad. mines..ton.30.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton.25.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton.23.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton.19.00 - —
7K, bgs., c.l. (30 tons), Canad. mines..ton.16.50 - —
7M, bgs., c.l. (30 tons), Canad. mines..ton.14.00 - —
Asphaltum, Barbados, A, bgs., 20 tons, f.o.b. N. Y.....lb. .02¼- —
smaller lots, f.o.b. N. Y.lb. .03½- —
AA, bgs., 20 tons, f.o.b. N.Y., lb. .06¼- —
smaller lots, f.o.b. N. Y.lb. .10½- —
California, dms., c.l., f.o.b. N.Y. ton.29.00 - —
l.c.l., f.o.b. N. Y.....ton.36.50 - —
Cuban A, bgs., c.l., f.o.b. N. Y. ton.60.00 - —
l.c.l., f.o.b. N. Y.....ton.90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton.35.00 - —
l.c.l., f.o.b. N. Y.....ton.55.00 - —
Egyptian, bgs., c.l.,f.o.b.N.Y.lb. .12 - —
l.c.l., f.o.b. N.Y.....lb. .15 - —
Gilsonite, brilliant black, bgs., c.l., Western shipt. points, ton.32.90 - —
seconds, bgs., c.l., Western shipt. points .....ton.25.50 - —
selects, bgs., c.l., Western shipt. points..ton.30.50 - —
l.c.l., f.o.b., N. J. or N. Y., whse..ton.49.50 - —
Jet., bgs., c.l., Western shipping points..ton.30.50 - —
Maltha, dms., c.l.,f.o.b.N.Y.ton.29.00 - —
l.c.l., f.o.b. N. Y.....ton.36.50 - —
Manjak (see Asphaltum, Barbados)
Asphaltum, Mexican, Texas, dms., c.l., refinery..ton.19.00 - —
l.c.l., refinery.....ton.21.00 - —
tanks, refinery.....ton.16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery..gal. .18 - —
dms., c.l., E. cst., refinery, gal. .12 - —
tanks, Calif, refinery...ton.12.50 -14.00
East Coast, refinery...gal. .06 - .06½
Ill., Ind., refinery.....gal. .06½- —
N. Orleans refinery....gal. .06 - —
Atropine, bots. .....oz. 5.25 - 5.80
Sulphate, bots. .....oz. 2.85 - 2.95
cns. .....oz. 2.80 - —

B

Balm of Gilead buds, bgs.....lb. .33 - .35
Barberry bark, bgs.....lb. .20 - .22
Tree bark, bls.....lb. .09 - .10
Barbital, cs.....lb. 3.25 - 3.30
Barium carbonate, natural, 90%-96%, grd., bgs., c.l., works, ton.41.00 -43.00
99% thru, 200, mesh bgs., c.l., works..ton.43.00 -45.00
Barium, carbonate, precip., bgs., c.l., works..ton.52.50 - —
bbls., works.....ton.57.50 - —
l.c.l., bgs., works.....ton.57.50 - —
bbls., works.....ton.62.50 - —
sulphur-free, bgs., bbls., c.l., works..ton.57.50 -62.50
Chlorate, kgs.....lb. .16½- .17½
Chloride, C.P., cryst., bbls..lb. .19 - —
dms. .....lb. .20 - —
Barium, chloride, tech., doms., cryst., bgs., c.l., Zone 1, divd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky. and principal cities on west bank of Miss., north of Ark. line....ton.77.00 - —
bbls., same basis..ton.79.00 - —
l.c.l., bgs., same basis, ton.90.00 - —
bbls., same basis..ton.92.00 - —
Zone 2, bgs., c.l., divd., Tenn., N. & S. Carolina, Ga., Ala., Miss., Fla..ton.81.00 - —
bbls., same basis..ton.83.00 - —
l.c.l., bgs., same basis, ton.94.00 - —
bbls., same basis..ton.96.00 - —
Zone 3, bgs., c.l., divd., Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz., ton.87.00 - —
bbls., same basis..ton.89.00 - —
l.c.l., bgs., same basis, ton.100.00 - —
bbls., same basis..ton.102.00 - —
Zone 4, bgs., c.l., divd., Wash., Ore., Calif., Nev..ton.83.00 - —
bbls., same basis..ton.85.00 - —
bbls., l.c.l., same basis, ton.96.00 - —
bbls., same basis..ton.98.00 - —
Dioxide, dms.....lb. .11 - .15
Fluoride, bbls.....lb. .11½- .12
Fluosilicate, bbls.....lb. .11½- .12

Asbestos Fiber—Black

Barium, hydrate (see Hydroxide).
Hydroxide, bbls.....lb. .04¾- .05½
Iodide, bots. .....lb. 4.30 - 4.45
Monoxide (see Oxide).
Nitrate, cks. .....lb. .07 - .07½
Oxide, dms.....lb. .09 - .11
Peroxide (see Dioxide).
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs. .....lb. .12 - —
Barytes, dom., floated, bbls., c.l., St. Louis..ton.23.65 - —
l.c.l., ex whse., Boston, ton.36.00 - —
Chicago .....ton.31.15 - —
Cleveland .....ton.33.50 - —
New York.....ton.32.00 - —
paper bgs., c.l., St. Louis, ton.22.85 - —
l.c.l., ex car, Baltimore, ton.30.70 - —
Boston .....ton.31.70 - —
Philadelphia .....ton.30.50 - —
ex whse., Baltimore..ton.32.10 - —
Boston .....ton.35.20 - —
Chicago .....ton.30.35 - —
Cleveland .....ton.33.00 - —
Detroit .....ton.33.00 - —
Kansas City.....ton.30.93 - —
Los Angeles.....ton.42.00 - —
New York.....ton.31.50 - —
Philadelphia .....ton.31.90 - —
San Francisco.....ton.42.00 - —
Toronto .....ton.39.30 - —
Southern off color, bulk, mines..ton.12.00 - —
95.75%, bulk, mines.....ton.16.00 - —
ore, bulk, mines, long ton. 7.00 - —
German, grd., bbls., c.l., dock, t.a..ton.25.00 -26.00
l.c.l., ex whse.....ton.30.00 - —
ungrd., bulk, c.l., ex dock, ton.13.60 -14.60
Italian, grd., bbls., c.l., ex dock, t.a..ton.29.50 Nom.
l.c.l., ex whse.....ton.32.50 - —
Bauxite, bulk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves)
Bay rum, import, bbls.....gal. .71½ Nom.
Bayberry bark, bgs.....lb. .12 - .15
Belladonna leaves, bls.....lb. .14 - .16
Root, bls. .....lb. .11 - .12
Bentonite, 200 mesh, bgs., Wyo. works..ton.11.00 - —
325 mesh, bgs., Wyo. works, ton.16.00 - —
Benzaldehyde, tech., cbys., dms., lb. .60 - .70
USP, X, dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs.....lb. .90 - .95
Benzene (see benzol).
Benzidin base, bbls.....lb. .70 - —
Benzol, 90%, nitration, pure, dms., works..gal. .21 - —
tankcars, frt. alld. E. of Omaha..gal. .16 - —
Benzol tankcar prices, West, f.o.b. sellers' works.
Benzoyl chloride, dms.....lb. .40 - .47
Benzoyl peroxide, pure gran., cs., 50 lbs., works..lb. 1.65 - —
25 lbs., works.....lb. 1.75 - —
5 lbs., works.....lb. 1.85 - —
Benzyl acetate, f.f.c., cns.....lb. .49 - —
dms. .....lb. .44 - —
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.s., f.f.c., cns..lb. .94 - —
dms. .....lb. .89 - —
Chloride, 95-97%, refd., dms.lb. .30 - .40
tech., dms.....lb. .25 - .26
Formate, cns.....lb. 2.75 - 3.50
Benzylidineacetone, bots.....lb. 2.20 @ 3.50
Berberine bisulphate, cns.....lb.16.75 - —
Hydrochloride, cns.....lb.16.75 - —
Sulphate, cns.....lb.16.75 - —
Berberis root, bls.....lb. .15 - .16
Betanaphthol, subim., bbls....lb. .55 - —
kgs. .....lb. .60 - —
tech., bbls., c.l., works....lb. .23 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, flb, dms.....lb. 2.10 - —
kgs. .....lb. 2.00 - —
Betanaphthylamine, tech., kgs.lb. .51 - —
Beth root, bls.....lb. .20 - .22
Bismuth chloride, 5-lb. bots...lb. 3.20 - 3.25
Citrate, USP, VIII, 5-lb. bots., lb. 2.76 - —
jars .....lb. 2.65 - —
Hydroxide, 5-lb. bots.....lb. 3.27 - —
cns. .....lb. 3.15 - —
Metal, ton lots.....lb. 1.05 - —
Nitrate, cryst., 5-lb. bots...lb. 1.34 - —
cns. .....lb. 1.20 - —
Oxychloride, 5-lb. bots.....lb. 3.04 - —
cns., kgs.....lb. 2.95 - —
Subbenzoate, 5-lb. bots.....lb. 3.36 - —
flb, dms.....lb. 1.13 - 1.16
Subcarbonate, bots., cns.....lb. 1.22 - 1.48
flb. dms.....lb. 1.13 - 1.16
X-ray, 5-lb. bots.....lb. 2.42 - —
flb. dms.....lb. 2.36 - —
Subgallate, bots., cns.....lb. 1.42 - 1.66
flb. dms. .....lb. 1.33 - 1.36
Subiodide, cns.....lb. 3.91 - —
flb. dms.....lb. 3.88 - —
Subnitrate, powd., bots., cns., lb. 1.12 - 1.38
flb. dms.....lb. 1.03 - 1.06
Subsalicylate, 62-66%, bxs..lb. 2.44 - —
bbls., flb. dms.....lb. 2.35 - —
Sulphocarbolate, 5-lb. bots...lb. 3.61 - —
flb. dms.....lb. 3.50 - —
Bismuth, Trioxide, powd., 5-lb. bots..lb. 3.56 - —
cns. .....lb. 3.45 - —
Bismuth-ammonia citrate, USP, powd., 5-lb. bots..lb. 3.40 - —
cns. .....lb. 3.30 - —
Bismuth-betanaphthol, 5-lb. bots., lb. 3.14 - —
flb. dms.....lb. 3.05 - —
Black, acetylene, c.l., works, duty paid..lb. .14 - —
Bone, 1A, bbls., bgs., c.l., frt. alld. E..lb. .16 - —
l.c.l., frt. alld. E.....lb. .16½- —
1, bbls., bgs., c.l., frt. alld. E..lb. .12½- —
l.c.l., frt. alld. E.....lb. .13 - —
2, bbls., bgs., c.l., frt. alld E..lb. .10½- —
l.c.l., frt. alld. E.....lb. .11 - —
3, bbls., bgs., c.l., frt. alld. E..lb. .09 - —
l.c.l., frt. alld. E.....lb. .10 - —
4, bbls., c.l., frt. alld. E..lb. .08½- —
l.c.l., frt. alld. E.....lb. .09 - —
5, bbls., bgs., c.l., frt. alld. E..lb. .07½- —
l.c.l., frt. alld. E.....lb. .08 - —
6, bbls., bgs., c.l., frt. alld. E..lb. .06½- —
l.c.l., frt. alld. E.....lb. .07 - —
7, bbls., bgs., c.l., frt. alld. E..lb. .09 - —
l.c.l., frt. alld. E.....lb. .09½- —
Bone black prices on Pacific Coast are 1c. per lb. higher, ex dock or ex whse.
Carbon, special, 1, bgs., c.l., divd..lb. .03¾- .04¾
bgs., ctns., l.c.l., divd..lb. .06¾- —
cs., l.c.l., divd.....lb. .07½- —
2 bgs., c.l., works.....lb. .08½- —
l.c.l., divd.....lb. .10½- —
cs., l.c.l., divd.....lb. .12 - —



**BEETLE RESINS for new and unusual baking enamels. The outstanding speed, hardness and color retention imparted by the Beetle Resins make them of especial interest for the formulation of baking enamels in white and pastel tints for use in finishing refrigerators, stove parts, kitchen and bathroom cabinets, hospital equipment, and decorative metal novelties. Such enamels are tougher than porcelain and approximate its hardness more closely than other organic coating materials.

Beetle Resins are offered in two distinct types, both supplied as concentrated solutions in a mixture of xylol and butanol. **BEETLE 227-8** is suggested for use in conjunction with alkyd resins such as *REZYL 330-5 or *REZYL 420-5, while **BEETLE 592-8** is a modified type which is most frequently used as the sole binder in baking enamels.

***URSULIN—A superior sulphonated oil for the fatliquoring of leathers. Used on Side Leather—colors and black as well as white—it produces tighter flanks, smoother grain, brighter colors, and less spew trouble.

The tensile strength of Patent Leather is often increased by simply adding a small amount of URSULIN to the regular fatliquor. The result is due to better distribution of the oil and less extraction in degreasing.

NO-ODOROL is a high-grade sulphonated vegetable oil for finishing dyed, printed and bleached cottons, silks and rayon fabrics. It is an excellent softening agent for white goods, and is especially useful for producing pure, soft finishes in hosiery and knitted goods.

For fabrics with a full, soft hand and with absolute freedom from after-odors, use NO-ODOROL. It is furnished in three standard grades—90%, 75% and 50%.

Anti-Foams—**REGULAR ANTI-FOAM, ANTI-FOAM H and DEFOAMER G.**—Three highly efficient foam preventing agents. Recommended for all paper mill conditions where excessive foaming is encountered due to either the nature of the pulp, water or sizing conditions or other mill processes.

CARBONATES and OXIDES of MAGNESIA processed by the most scientific methods known—for the Rubber, Enamelware, Paint, Printing Ink, Soap, Explosives, Tanning, Pharmaceutical and Cosmetic Industries. A grade for every requirement. Stocks kept at convenient shipping points. Oxides of Magnesia packed hermetically sealed in specially prepared shipping containers, eliminating the absorption of moisture and foreign odors and effecting a saving in freight

Watch this column monthly for the announcement of other interesting Cyanamid developments. Technical information on these and other Cyanamid products is available on request.

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**Trade-mark of American Cyanamid & Chemical Corporation. These resins are manufactured under one or more U. S. Patents.

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AMERICAN CYANAMID & CHEMICAL CORPORATION

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XUM

Black, Carbon—Brown

Black, carbon, special, 3, bgs., c.l., works..lb. .13 - —
l.c.l., dlvd.....lb. .14½- —
cs., l.c.l., dlvd.....lb. .16½- —
4 bgs., c.l., works.....lb. .27½- —
cs., c.l., works.....lb. .29 - —
l.c.l., dlvd.....lb. .32 - —
5, bgs., cs., c.l., works..lb. .40 - —
cs., l.c.l., dlvd.....lb. .44 - —
6, cs., l.c.l., dlvd.....lb. .60 - —
7, cs., l.c.l., dlvd.....lb. 1.10 - —
standard, bgs., c.l., dlvd., rail zone A (Gulf ports), for delivery in N. A. (water freights extra). lb. .02¾- —
B (Ark., Col., Kan., part of Mo., N. M., Tex., except coastal ports)..lb. .0310- —
50,000 lbs., dlvd., Zone C (Pac. Cst. States).lb. .0319- —
30,000 lbs., dlvd., Zone C, Pac. Cst. States.lb. .0335- —
D (Ill., Ia., Wis.)..lb. .03¼- —
E (Fla., Ga., Ind., Ky., Mich., part of N. Y., Ohio, part of Pa., Tenn., W. Va.)...lb. .0341- —
F (Me., Md., Mass., N. H., N. J., part of N. Y., N. C., part of Pa., R. I., S. C., Vt., Va.)..lb. .03¾- —
G (Mexico) f.o.b. border, lb. .03 - —
f.o.b. N. Orleans, lb. .029 - —
l.c.l., f.o.b. whse.....lb. .05¾- —
bgs, or ctns. (sellers option) l.c.l., dlvd..lb. .06¼- —
bulk, tanks, same price as bags in each zone.
cs., l.c.l., dlvd.....lb. .07 - —

Black, carbon, export, full, compressed, cs., f.a.s., Gulf ports..lb. .04¾ Nom.
uncompressed, cs., f.a.s. Gulf ports..lb. .05¼ Nom.
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, 1, bbls., l.c.l., works..lb. .07¾- .08½
2, bbls., l.c.l., works....lb. .07 - —
pure, bbls., works.....lb. .08¾- —
Ivory, genuine, bbls.....lb. .30 - .35
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works....lb. .11 - —
l.c.l., works.....lb. .12 - —
3, ctns., c.l., works.....lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .14 - —
l.c.l., works.....lb. .15 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .65 - —
import, 1, bbls., c.l., f.o.b. N. Y..lb. .08 - —
l.c.l., f.o.b., N. Y.....lb. .09 - —
2, bbls., c.l., f.o.b. N. Y..lb. .11 - —
l.c.l., f.o.b. N. Y.....lb. .12 - —
3, bbls, c.l., f.o.b. N. Y..lb. .13 - —
l.c.l., f.o.b., N. Y.....lb. .14 - —
4, bbls., c.l., f.o.b. N. Y..lb. .14 - —
5, bbls., c.l., f.o.b. N. Y..lb. .19 - —
l.c.l., f.o.b. N. Y.....lb. .20 - —
6, bbls., c.l., f.o.b. N. Y..lb. .24 - —
l.c.l., f.o.b. N. Y.....lb. .25 - —
Vine, A, bbls., works or N. Y., lb. .04¼- —
B, bbls., works or N. Y....lb. .05½- —
Black dyes are listed under Dyes.

Black haw, root bark, bls....lb. .25 - .26
Tree bark bls.....lb. .15 - .18
Black Indian hemp root, bls...lb. .16 - .18
Blanc fixe, dry, by-product, bgs., c.l..ton.55.00 - —
l.c.l. .....ton.60.00 - —
high grade precip., bgs., c.l., works, frt. equal.ton.70.00 - —
l.c.l., same basis....ton.75.00 - —
pulp, 66⅔%, bulk, c.l., works, ton.40.00 -42.50
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.85
l.c.l., works.....100 lbs. 2.25 - 3.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 2.50 - —
high-grade, grd., 16-17 ammon., bulk, f.o.b. Chi., unit-ton. 2.35 - —
import, bgs., c.i.f. ports, May shipt., unit-ton. 2.90 - —
soluble (see Albumen, blood)
Bloodroot, bls.....lb. .14 - .15
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C. E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. .90 - —
Alkali blue toner prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Bronze, bbls., same basis, alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Celestial, bbls.....lb. .10 - .12
Chinese, bbls., same basis, alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —

Blue, cobalt, genuine, 1-kilo pkg. lb. 4.90 - —
Imitation (see Blue, ultramarine, group 6).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld..lb. 3.30 - 3.75
Milori, bbls., same basis alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Potash, dom., bbls., same basis alkali toner, contracts.lb. .35 - —
open order.....lb. .46 - —
Prussian, bbls., same basis alkali toner, contracts.lb. .36 - —
open order.....lb. .37 - —
Soluble, bbls., same basis alkali toner, contracts. lb. .36 - —
open order.....lb. .37 - —
Tungstated, peacock, kegs...lb. 4.00 - —
Victoria, kgs.....lb. 3.85 - —
Ultramarine, dry, jobbing, bbls., works, frt. equaled.lb. .11 - —
regular 1, bbls., works, frt. equaled..lb. .16 - —
2, bbls., same basis....lb. .18 - —
3, bbls., same basis....lb. .19 - —
4, bbls., same basis....lb. .20 - —
5, bbls., same basis....lb. .23 - —
6, cobalt, A, same basis.lb. .27 - —
B, bbls., same basis.lb. .24 - —
C, bbls., same basis.lb. .23 - —
D, bbls., same basis.lb. .22 - —
7, A, bbls., same basis..lb. .23 - —
B, bbls., same basis..lb. .22 - —
special, 1, bbls., same basis, lb. .19 - —
2, bbls., same basis....lb. .20 - —
3, bbls., same basis....lb. .22 - —
4, bbls., same basis....lb. .23 - —
5, bbls., same basis....lb. .25 - —
6, bbls., same basis....lb. .27 - —
pulp, 1, bbls., same basis..lb. .27 - —
2, bbls., same basis.....lb. .25 - —
3, bbls., same basis.....lb. .23 - —
4, bbls., same basis.....lb. .20 - —
Ultramarine, blue, dlvd., ex whse., is 1c. higher; Pac. Coast ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls.; 28-lb. boxes 5c. above bbls.
Victoria, ink toner, bbls., same basis alkali toner..lb. 1.85 - —
Blue dyes are listed under Dyes.
Blueflag root, bls.....lb. .15 - .16
Blue mass, USP., ens., kgs...lb. 1.00 - 1.03
Blue vitriol, 99%, cryst., bbls., c.l., f.o.b. works..100 lbs. 4.00 - —
16-50 bbls., same basis, 100 lbs. 4.15 - —
6-15 bbls., same basis, 100 lbs. 4.25 - —
1-5 bbls., same basis, 100 lbs. 4.50 - —
monohydrated, dms., c.l. dealer, f.o.b. works..100 lbs. 8.40 - 8.65
l.c.l., dealers....100 lbs. 9.40 - 9.65
Bluestone (see Blue vitriol).
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.25.00 -27.00
c.i.f. Atlantic ports.....ton.26.50 - —
import, bgs., c.i.f., ports.ton.26.00 - —
meal, steamed, dom., 3% ammon. 50% phos., bgs., f.o.b. Chicago..ton.16.00 -18.00
import, 100-lb. bgs., c.i.f. ports, shipt..ton.21.00 - —
phosphate, precip. (see Calcium phosphate dibasic, precip.),
steamed, dom., 1½% ammon. 60% phos., bgs., f.o.b. Chicago..ton.15.00 -17.00
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports..ton.20.00 - —
Borage flowers, bls. .....lb. .20 - .21
Borax, tech., 99½%, cryst., bbls., contracts, 80 tons min., dlvd..tons.58.00 - —
l.c.l., ex whse.....ton.67.00 -72.00
sks., contracts, 80 tons min., dlvd..tons.48.00 - —
l.c.l., ex whse.....ton.57.00 -62.00
gran., bbls., contracts, 80 tons min., dlvd..ton.52.00 - —
l.c.l., ex whse.....ton.61.00 -66.00
sks., contracts, 80 tons min., dlvd..ton.42.00 - —
l.c.l., ex whse.....ton.51.00 -56.00
powd., bbls., contracts, 80 tons min., dlvd..ton.57.00 - —
l.c.l., ex whse.....ton.66.00 -71.00
sks., contracts, 80 tons min., dlvd..ton.47.00 - —
l.c.l., ex whse.....ton.56.00 -61.00
USP., $15 per ton higher.
Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11½- —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots 96 lbs., and over; no trucking or freight allowances for works or warehouse pick-ups.
Borneol, bots. .....lb. 1.75 - 2.00
ens. .....lb. 1.50 - —
Brazilwood extract (see Hypernic),
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .30 - —
single pkg., same basis.lb. .35 - —
Bromoform, USP, bots.....lb. 1.40 - 1.60
Bromstyrol, bots. .....lb. 3.25 - 4.50
Bronze powder, aluminum (see A).
Gold, litho, ens., dms., over 10 lbs..lb. .45 - .65
moulding, ens., dms., over 10 lbs..lb. .65 - .90
printing ink, ens., dms., over 10 lbs..lb. .70 - 1.10
radiator, ens., dms., over 10 lbs..lb. .45 - .50
Broomtop, bls. .....lb. .11 - .13
Brown, iron oxide, pure precip., cks., f.o.b. N.Y., or works..lb. .10 - —
Metallic, bbls., works.....lb. .02¼- —
paper bags, c.l., works....lb. .0210- —
Sienna, burnt, American, bbls., works..lb. .03 - —
Italian, 1, bbls., f.o.b. N. Y. or Pa. points..lb. .12¼- —
2, bbls., same basis....lb. .11¼- —
3, bbls., same basis....lb. .10¼- —
4, bbls., same basis....lb. .08¾- —
5, bbls., same basis....lb. .08⅜- —
6, bbls., same basis....lb. .08¼- —
7, bbls., same basis....lb. .08 - —
8, bbls., same basis....lb. .07¾- —
9, bbls., same basis....lb. .07¼- —
10, bbls., same basis....lb. .06⅞- —
11, bbls., same basis....lb. .06¾- —
12, bbls., same basis....lb. .06¼- —
13, bbls., same basis....lb. .06 - —
14, bbls., same basis....lb. .05½- —
raw, American, bbls., works, lb. .02⅞- —
Italian, 1, bbls., f.ob., N. Y. or works .....lb. .12½- —
2, bbls., same basis....lb. .10⅞- —
3, bbls., same basis....lb. .11 - —
4, bbls., same basis....lb. .09½- —
5, bbls., same basis....lb. .09 - —
6, bbls., same basis....lb. .08½- —
7, bbls., same basis....lb. .07¾- —
8, bbls., same basis....lb. .07¼- —
9, bbls., same basis....lb. .06¾- —
10, bbls., same basis....lb. .06 - —
11, bbls., same basis....lb. .05 - —
umber, American, bbls., works, lb. .02⅞- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Pa., Easton, Pa., N. Y..lb. .04 - —
St. Louis.....lb. .04¾- —
ex car Los Angeles..lb. .04½- —
ex dock, Portland, San Francisco, Seattle..lb. .04¾- —

And it only started as an Idea!

Faced with the necessity of expanding his market, the president of a large company selling bulk products had an idea. He visualized the possibility of an entirely new use for one of his products, packed in smaller units and sold to a broader consuming market. Crystallizing his thoughts, he called for action. Many conferences and discussions were held, experiments made. Everything had been worked out but the package. Now the question which remained was—could Continental develop the type of container they needed with the proper closure to dispense their product?

A short time elapsed while Continental's research and development departments designed, packed, tested and experimented with their product. Then, the ideal container was evolved. That which only started as an idea had been realized.

Continental has helped many manufacturers to capitalize on merchandising ideas. Continental's own suggestions have been responsible for many important sales gains. No matter what your problem is you'll find Continental preeminently qualified to render intelligent service.

CONTINENTAL CAN COMPANY

NEW YORK CHICAGO SAN FRANCISCO

MONTREAL TORONTO

Brown, umber, Turkey, bbls., l.c.l., ex whse, Boston.....lb. .04½- —
Chicago, Indianapolis, New Orleans.....lb. .04¾- —
Kansas City.....lb. .05 - —
Los Angeles, Portland, San Francisco, Seattle, lb. .04⅞- —
Minneapolis .....lb. .0485- —
Pittsburgh .....lb. .04¼- —
Vandyke, bbls., l.c.l.....lb. .05⅝- —
Walnut crystals, bbls.....lb. .05½- .06
Brucine, 100 oz., cns.....oz. .10 - —
Sulphate, 100 oz., cns.....oz. .07 - —
Bryonia root, bls.....lb. .10 - .11
Buchu leaves, bls. .....lb. .41 - .43
Buckthorn bark, true, bls.....lb. .05 - .05½
Berries, bgs. .....lb. .19 - .20
Burdock root, bls. .....lb. .10 - .10½
Burgundy pitch, dom., bbls., c.l., works..lb. .05½- —
l.c.l., dlvd. E.....lb. .06¼- —
import, stands.....lb. .15 - .16
Butanes, coml., 16-34°, tanks, group 3..gal. .03¾- —
Butternut bark, bls.....lb. .07 - .08
Butyl acetate, norm., dms., c.l., contract, frt. alld..lb. .10 - —
l.c.l., contract, frt. alld..lb. .10½- —
tanks, contract, frt. alld..lb. .09 - —
Secondary, dms., c.l., frt. pd. E. of Rocky Mts..lb. .08 - —
l.c.l., same terms.....lb. .08½- —
tanks, same terms .....lb. .07 - —
Alcohol (see Alcohol):—
Aldehyde, dms., l.c.l. .....lb. .16½- .17½
Carbinol (see Carbinol).
Crotonate, normal, 55 & 110 gal. dms., dlvd..lb. .33 - —
5 & 10 gal. dms., dlvd....lb. .36 - —
Lactate, dms. .....lb. .22½- —
Propionate, dms., dlvd.....lb. .16½- .17
tanks .....lb. .15½- —
Stearate, dms. .....lb. .26 - —
Butyric ether, bots.....gal. 6.60 - 6.95
cns., works .....lb. .65 - .70
dms., frt. alld. Met. N. Y..lb. .60 - —

C

Cadmium bromide, jars, 100 lbs., works, frt. equal'd..lb. 1.66 - —
50 lbs., works.....lb. 1.66 - —
25 lbs., works.....lb. 1.71 - —
bots., 5 lbs., works.....lb. 1.85 - —
Iodide, 5-lb. bots.....lb. 3.96 - —
25-lb. cns.....lb. 3.82 - —
Lithopone (see Yellow)
Metal, cs.....lb. 1.20 - —
Red (see Red).
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, 100-lb. dms., 10,000 lbs. or more..lb. 2.20 - —
2,000 lbs., or more.....lb. 2.25 - —
1,000 lbs., or more.....lb. 2.30 - —
100 lbs.....lb. 2.35 - —
25-lb. dms., 10,000 lbs., or more..lb. 2.23 - —
2,000 lbs., or more.....lb. 2.28 - —
1,000 lbs., or more.....lb. 2.33 - —
100 lbs.....lb. 2.43 - —
25 lbs.....lb. 2.55 - —
10-lb. cns., 10,000 lbs. or more. lb. 2.25 - —
2,000 lbs., or more.....lb. 2.30 - —
1,000 lbs., or more.....lb. 2.35 - —
100 lbs.....lb. 2.45 - —
less than 100 lbs.....lb. 2.75 - —
5-lb. cns., 25 lbs., or more..lb. 2.70 - —
less than 25 lbs.....lb. 2.85 - —
Citrated. cns.....lb. 1.80 - 2.10
Hydrobromine, bots.....lb. 4.91 - 4.99
Calabar beans, bgs.....lb. .25 - .26
Calamus root, bleached, cs....lb. .45 - .50
peeled, bls.....lb. .10 - .12
Calcium acetate, bgs., dlvd. 100 lbs. 1.05 - —
Arsenate, bgs., c.l., dealers. E. of Rockies..lb. .06¾- .07¼
W. of Rockies, bgs., dms., lb. .06¾- .07

Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for plant or whse. pick-up.

Bromide, 100 lbs., works, frt. equaled..lb. .70 - —
50 lbs., works.....lb. .72 - —
25 lbs., works.....lb. .75 - —
Carbide, dms.....lb. .05 Nom.
Carbonate (see Chalk and Whiting).
Chloride, flake, dom., 77-88%, bgs., dms., c.l., dlvd.ton. 22.00 -35.00
l.c.l., 1 ton or over, dlvd. 100 lbs. 1.70 - 2.35
liquor, basis 40%, tanks, works ton. 7.50 - —
solid, dom., 73-75%, bgs., dms., c.l., dlvd..ton. 20.00 -33.00
l.c.l., 1 ton or over, dlvd. 100 lbs. 1.60 - 2.25
Gluconate, U.S.P., gran., powd., bbls., 125 lbs..lb. .50 - —
dms. .....lb. .55 - .57
cns. .....lb. .68 - .85
Glycerophosphate, fib., dms., 1,000-lb. lots..lb. 1.00 - —
smaller lots.....lb. 1.15 - —
cns., 25 lbs.....lb. 1.40 - —
Hypophosphite, cns.....lb. .62 - .67
Iodide, bots., jars.....lb. 3.70 - 3.85
Lactate, U.S.P., bbls., 200 lbs.lb. .23 - —
Levulinate, bots., less than 25 lbs., works, dlvd..lb. 3.00 - —
Nitrate, bgs., to fert. mfrs., ex vessels, Camden, N. J., or f.o.b. cars, So. Atlantic ports ton. 28.00 - —
Palmitate, bbls.....lb. .22 .23
Phosphate, dibasic, precip., 38-42% P_2O_5, bgs., c.l.f. Atlantic ports, shipt..unit-ton. .77 - —
tribasic, c.l., bbls., works..lb. .06½- —
l.c.l., bbls.....lb. .07½- —
Resinate, precip., bbls., 1 ton.lb. .13 - —
smaller lots.....lb. .14 - —
Stearate, precip., bbls., ctns., c.l..lb. .19 - —
l.c.l., 1 ton.....lb. .20 - —
Sulphate (see Gypsum).
Sulphide, 65-70%, CaS, wks., c.l..ton. 64.00 - —
l.c.l. .....ton. 68.00 - —
75% CaS (minus 100 mesh), c.l., works..ton. 52.00 - —
l.c.l., works.....ton. 56.00 - —
83-85 CaS, c.l., works...ton. 58.00 - —
l.c.l., works.....ton. 64.00 - —
luminous, dom., tins, works, 100 lbs. .85 - —
Sulphocarbolate, bbls., 200 lbs.lb. .48 - —
kgs., 100 lbs.....lb. .50 - —
Calendula flowers, bls.....lb. .35 - .36
Calomel, bbls., fib., dms., kgs., 50 lbs., or more..lb. 1.28 - —
Camphor, natural, powd., cs...lb. .53½- .54½
slabs, cs.....lb. .53½- .54½
tablets, tins.....lb. .58 - .59
synthetic, dom., imp., gran., powd., bbls., 2,000 lbs.lb. .50 - —
500 lbs.....lb. .51 - —
100 lbs.....lb. .52 - —
Monobromate, bxs., kgs.....lb. 1.75 - 1.80
Canada balsam (see Fir balsam),
Canary seed, Argentine, bgs..lb. .0470- .0500
Morocco, bgs.....lb. .0470- .0500
Turkish, bgs.....lb. .0470- .0500
Canella alba bark, bls.....lb. .30 - .31
Cantharides, Chinese, cs.....lb. .60 - .70
powd., bxs.....lb. .70 - .80
Russian, cs.....lb. 1.05 - 1.10
powd., bxs.....lb. 1.20 - 1.25
Capsicum (see Pepper, red).
Caraway seed, Dutch, bgs....lb. .07 - .07½
Carbazole, 70-80%, dms., works.lb. .60 - —
90%, dms., works.....lb. .89 - —
95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works.lb. .85 - —
99.5-99%, dms., ton lots, works, lb. .75 - —
smaller quantities, works.lb. .85 - —
Carbinol, butyl, norm., dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
secondary, dms., works...lb. .60 - —
small lots, works.....lb. .75 - —
Diethyl, dms., works.....lb. .60 - —
small lots, works.....lb. .75 - —
Isobutyl, 128-132°, dms., c.l., works..lb. .55 - —
l.c.l., works.....lb. .84 - —
tanks, works.....lb. .82 - —
Methylpropyl, dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
Dimethylethyl, dms., works.lb. .60 - —
small lots, works.....lb. .75 - —
Carbon bisulphide, 55-gal. dms., c.l., frt. all'd. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¼- —
5-gal. dms., c.l., same basis, lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
tanks, same basis.....lb. .04¼- —
Dioxide, cyls.....lb. .06 - .08
Tetrachloride, 55-gal. or 110-gal. dms., c.l. (20 tons), frt. alld. E. of Miss. R., N. of Ohio R..lb. .05¼- —
l.c.l., same basis.....lb. .05¾- —
10-gal. dms., c.l. (20 tons), same basis..lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
5-gal. dms., c.l. (20 tons), same basis..lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
tank s. same basis.....lb. .05 - —
Fire extinguisher liquid 1¼c. lb. higher.
Cardamom, bleached, cs.....lb. 1.30 - 1.65
decorticated, cs.....lb. .82 - .84
green, bgs. .....lb. .54 - .55
Carvol, bots. .....lb. 4.00 - 4.25
Cascara sagrada bark, bulk....lb. .09½- .10
Case-hardening mixture, 30%, lump, dms., l.c.l..lb. .09 - —
Casein, dom., 20-30 mesh, bgs., c.l., dlvd..lb. .06½- .07
5 tons, works.....lb. .08¾- —
smaller lots, works.....lb. .09½- —
80-100 mesh, bgs., c.l., dlvd., lb. .07 - .07½
5 tons, works.....lb. .09 - —
smaller lots, works.....lb. .09¾- —
Import, Argent., 20-30 mesh, bgs., c.l., duty pd..lb. .12½ Nom.
80-100 mesh, bgs., c.l., duty paid..lb. .13 Nom.
French, 30 mesh, bgs., c.l., duty pd..lb. .17 Nom
Cassia, Batavia, 1, bgs.....lb. .16 - .16¼
3, bls. .....lb. .10¼- .10¾
shortstick, bls.....lb. .12¾- .13
China, rolls, select, cs.....lb. .06¾- .07
broken, extra, bls.....lb. .04⅝- .05
Saigon, bls.....lb. .15¼- .15½
Cassia buds, cs.....lb. .16½- .17
Cassia fistula, bskts.....lb. .07 - .09
Castile soap, white, bars., cs., 40 lbs. 11.75 -12.50
powd., bbls. .....lb. .28 - .35
Castoreum, nat., cns.....lb. 15.00 -18.00
synth., bots. .....lb. 19.00 - —
Castor oil (see Oil, castor).
Pomace, dom., 5% ammon., bgs., c.l., works..ton. 19.00 - —
import, bgs., c.i.f., ports, shipment..ton. 21.00 Nom.
Catnep leaves, bls. .....lb. .17 - .18
Celery seed, French, bgs.....lb. .13¾- .14¼
Indian, bgs. .....lb. .11¾- .12
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, gran., cs., frt. alld..lb. .40 - —
Cellulose, acetobutyrate, 501 lbs. and over, works..lb. .52 - —
101 lbs., works.....lb. .53 - —
smaller lots, works.....lb. .55 - —
Acetopropionate, 500 lbs. and over, works..lb. .57 - —
100-499 lbs., works.....lb. .58 - —
1-99 lbs., works.....lb. .60 - —
Cerium hydrate, dms., works..lb. .60 - —
Oxalate, USP, bbls., works..lb. .35 - —
kgs., works .....lb. .37 - —
Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b., works..lb. .02¾- —
cks., 250 lbs., c.l., f.o.b., works..lb. .03¼- —
Chamomile flowers, Hungarian, genuine, cs..lb. .20 - .21
Roman, bls. .....lb. .27 - .28
Charcoal, softwood, powd., bgs., c.l., dlvd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton. 30.40 - —
Colo. .....ton. 27.00 - —
Conn., Me., Mass., N.H., R. I., Vt. .....ton. 30.80 - —
Ill. (except river point), Minn., Neb., Wis., ton. 25.00 - —
Indiana .....ton. 26.00 - —
Ill. (river points), Ia., Mo., Okla., Tex. (except El Paso)..ton. 23.00 - —
Kansas, El Paso, Tex., ton. 24.00 - —
Michigan .....ton. 27.80 - —
Ohio, Penn. .....ton. 29.80 - —
Utah .....ton. 34.00 - —
Willow, powd., bbls. .....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l., works..lb. .02125- —
l.c.l., bbls., works.....lb. .0225- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton. 10.00 -16.00
bulk, c.l., works.....ton. 7.00 - —
200 mesh, bgs., c.l., works..ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works, ton. 9.50 - —
paper bgs., c.l., works, ton. 12.50 - —
import, white, lump, bulk, c.l., ex dock Balto. Boston, Norfolk. Phila..ton. 22.00 -25.00
powd., csks., l.c.l., ex dock, ton. 35.00 - —
ex whse. .....ton. 37.50 - —
Chloral hydrate, bots., 1,000 lbs. lb. .83 - .92
500 lbs.....lb. .86 - .95
100 lbs.....lb. .88 - .97
25 lbs.....lb. .90 - .99
1-10 lbs.....lb. .95 - 1.02
dms., 1,000 lbs.....lb. .80 - —
500 lbs.....lb. .83 - —
100 lbs.....lb. .85 - —
Chlorine, liq., cyls., c.l., dlvd., N. Y..lb. .05½- —
contracts, dlvd., N.Y.....lb. .05½- —
l.c.l., dlvd., N.Y.....lb. .07½- —
tanks, single unit, works, frt. equald..100 lbs. 2.15 - —
multiple unit, 3 or over, wks., frt. equald. 100 lbs. 2.30 - —
Chlorine, tanks, multiple unit, 2, works, frt. equal'd..100 lbs. 2.55 - —
1, works, frt. equald..... 100 lbs. 3.00 - —
Chloroacetophenone, tins, works.lb. 3.00 - 3.50
Chloroform, tech., 650-lb. dms.lb. .20 - —
100-lb. dms.....lb. .22 - —
50-lb. dms.....lb. .23 - —
USP, 650-lb. dms.....lb. .30 - —
100-lb. dms.....lb. .32 - —
50-lb. dms.....lb. .33 - —
Chloropicrin, coml, 100-lb. cyls., works..lb. .85 - —
5-lb. cycls., same basis..lb. 1.15 - —
Chrome acetate, powd., 17.5% cr., bbls., works..lb. .13 - —
smaller pkgs., works....lb. .17 - —
solut., 8% cs., bbls.....lb. .05 - .08
Cake, bulk, c.l., works.....ton. 15.00 -16.00
Green (see Green, chrome).
Oxide (see Green, chrome oxide).
Sulphate, pearls, dms., 100 lbs., lb. .40 - —
powd., dms., 100 lbs.....lb. .45 - —
scales, dms., 100 lbs.....lb. .45 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, cns.....lb. 3.25 - 3.30
Cinchona bark, chips, bgs.....lb. .18 - .19
high test, bgs.....lb. .37 - .38
quills, broken, bgs.....lb. .18 - .19
long, cs.....lb. .55 - .60
short, bgs.....lb. .50 - .55
Ecuador, tubes.....lb. .18 - .20
Cinchonidine, crys., small cns., 100 ozs..oz. .83 - —
large, cns.....100 ozs. .87 - —
powd., cns.....100 ozs..oz. .80 - —
Sulphate, N.F., cns. 100 ozs..oz. .47 - —
Cinchonine, crys., small, cns., 100 ozs..oz. .54 - —
large, cns.....100 ozs..oz. .58 - —
powd., cns.....100 ozs..oz. .50 - —
Sulphate, N.F., cns. 100 ozs..oz. .34 - —
Cinchophen, USP, boxes, 5 lbs., lb. 3.75 - —
bots., 1 lb.....lb. 3.27 - —
dms., 100 lbs.....lb. 3.00 - —
Cinnamic alcohol (see Alcohol cinnamic).
Aldehyde, f.c.c., cbys.....lb. .80 - 1.00
Cinnamon, Ceylon, 2, bls.....lb. .17 - .17½
3, bls.....lb. .16½- .16¾
Citral, bots., cns.....lb. 1.40 - 3.10
Citrine, ointment, jars, tubes..lb. .75 - —
Citronellal, bots., dms.....lb. .75 - .80
Citronellol, bots., dms.....lb. 1.75 - 1.80
Clove, Madagascar, bls.....lb. .13½- .14
Zanzibar, bls.....lb. .16½@ .16¾
Clover tops, bgs.....lb. .13 - .14
Coaltar, coal-gas, crude, bbls., c.l., works..bbl. 7.50 - 7.75
l.c.l., works.....bbl. 8.25 - 8.50
tanks, works.....gal. .07½- .09
refd., bbls., c.l., works....bbl. 8.00 - 8.25
l.c.l., works.....bbl. 8.75 - 9.00
tanks, works.....gal. .08½- .10
water-gas, crude, dms., c.l., works..dm. 7.50 - —
l.c.l., works.....dm. 8.00 - —
refd., dms., c.l., works....dm. 8.25 - —
l.c.l., works.....dm. 8.75 - —
Cobalt acetate, bbls., kgs., dlvd., lb. .65 - .67
Carbonate, tech., bbls., dlvd.lb. 1.63 - —
Chloride, dms., works.....lb. 1.03 - 1.18
Hydrate, bbls.....lb. 1.78 - —
Linoleate, paste, 6%, dms....lb. .31 - —
solid, 8½%, bbls.....lb. .33 - —
Oleate, bbls.....lb. .25 Nom.
Oxide, black, kgs.....lb. 1.67 - —
Resinate, fused, A, bbls.....lb. .13½- —
1%, bbls.....lb. .13 - —
2%, bbls.....lb. .14 - —
3½%, bbls.....lb. .17½- —
precip., dms., dlvd.....lb. .34 - —
Sulphate, dms.....lb. .59 - —
Cocaine hydrochloride, 100 ozs., cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .35 - .38
Teneriffe, silver, bgs.....lb. .36 - .39
Cocillana bark, bgs.....lb. .16 - .17
Cocoa butter, lump, bgs., c.l..lb. .12 - —
Codeine, cns., 100 ozs.....oz. 11.70 - —
Hydrochloride, cns., 100 ozs. oz. 10.50 - —
Phosphate, cns., 100 ozs.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls.....lb. .08 - .09
Blue, root, bls.....lb. .07 - .07½
Colchicine, bots., 4 ozs.....oz. 25.00 - —
single ozs.....oz. 26.00 - —
Colchicum seed, bgs.....lb. .25 - .27
Collodion, USP, dms., 325 lbs..lb. .12½- —
cns., 25 lbs.....lb. .16 - —
Flexible, USP, dms., 325 lbs.lb. .14½- —
cns., 25 lbs.....lb. .18 - —
Colocynth pulp, bls.....lb. .26 - .28
Colombo root, bls.....lb. .11 - .12
Coltsfoot leaves, bgs.....lb. .08 - .09
Condurango bark, bgs.....lb. .08 - .09
Conium leaves, bls.....lb. .17 - .18
Copaiba balsam, Para, cns....lb. .24 - .25
S.A., USP, cns.....lb. .26 - .27
Copper acetate, normal, bbls., dlvd..lb. .23 - —
smaller containers, dlvd.lb. .25 - —
Carbonate, 52-54%, bbls....lb. .14½- .15½
20%, bbls.....lb. .10½- .11½
Chloride, cryst., bbls.....lb. .13 - .14
Cyanide, tech., bbls.....lb. .34 - —
Iodide, bots.....lb. 4.97 - 5.02
Metal, electrolytic.....lb. .09 - —
Nitrate, cryst., bbls.....lb. .15 - .17
Oleate, precip., bbls.....lb. .20 - —
Oxide, black, bbls., tons, works, lb. .13½- .14
smaller lots, works.....lb. .14½- —
red, com'l, 50-75%, kgs., f.o.b. N.Y..lb. .15 - —
Resinate, precip., bbls.....lb. .15 - .16
Stearate, precip., bbls.....lb. .23 - .24
Sulphate (see Blue vitriol).
Copperas, cryst., gran., bgs., c.l., works..ton. 16.00 - —
bbls., c.l., works.....ton. 18.00 - —
l.c.l., 25 or over, works, 100 lbs. 1.35 - —
5-24, works.....100 lbs. 1.50 - —
1-4, works.....100 lbs. 2.00 - —
bulk, c.l., works.....ton. 13.00 - —
Copra, Coast, ship't.....lb. .02 Nom.
Coriander seed, Morocco, bgs..lb. .05 - .05¼
bleached, bgs.....lb. .08 - .08½
Corn sugar, tanners, bbls., c.l., dlvd..100 lbs. 3.20 - —
ex whse.....100 lbs. 3.30 - —
Syrup, 42°, bbls., c.l....100 lbs. 3.14 - —
43°, bbls., c.l.....100 lbs. 3.19 - —
Cornsilk, bls.....lb. .06 - .07
Corrosive sublimate, cryst., dms., 50 lbs., or more..lb. 1.13 - —
gran., powd., dms., 50 lbs. or more..lb. .99 - —
Cottonroot bark, bls.....lb. .13 - .14
Cottonseed hull ash, 30-32% pot-ash, bgs., dlvd..unit-ton. 1.10 - —
Coumarin, 5 lbs., or more, 25-lb. cns..lb. 2.75 - 3.00
5-lb. cns.....lb. 2.85 - 3.10
1-lb. cns.....lb. 3.00 - 3.25
1-oz. cns.....lb. 3.35 - 3.60
less than 5 lbs., cns.....lb. 4.15 - 4.65
Cramp bark, genuine, bls.....lb. .22 - .23
so-called, bls.....lb. .07 - .08
Cranesbill root, bls.....lb. .15 - .16
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't, lb. .21¾- —
smaller lots, bbls.....lb. .22¼- —
kgs. .....lb. .22¾- —

Brown—Dinitrophenol

Creosote, beechwood, bots.....lb. .70 - .75
Hardwood, USP, bots.....lb. .45 - .47
Pine, dms.....gal. .28 - —
Carbonate, bots., cbys.....lb. 1.40 - 1.75
Creosote oil, crude, tanks, works, gal. .13½- .14½
Coaltar solution, tanks, works, gal. .122 - .132
refd., bbls., c.l., works...gal. .22½- —
l.c.l., works.....gal. .25 - —
tanks, works.....gal. .18 - .18½
Cresol, USP, dms., c.l., works..lb. .12 - —
l.c.l., same basis.....lb. .12½- —
special resin grade, dms., c.l., works..lb. .10¾- —
l.c.l., same basis.....lb. .10¾- —
Crotonaldehyde, 97%, 55 and 110 gal. dms., dlvd..lb. .22 - —
5 and 10 gal. dms., dlvd..lb. .25 - —
works..lb. .26 - —
l.c.l., works.....lb. .30 - —
Cube root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equaled, with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs. or more..lb. .28 - —
2,000 lbs. to 10,000 lbs..lb. .29 - —
1,000 lbs. to 2,000 lbs..lb. .31 - —
200 lbs. to 1,000 lbs.....lb. .33 - —

4% rotenone prices are 4½c. per lb. less.

Cube root, powd., contracts accepted for delivery only up to September 30, 1938. No protection against decline in price. Part deliveries against contract are billed at price for smaller quantities, subject to adjustment when contract quantity is reached.

Cubeb berries, XX, bgs.....lb. .31 - .32
powd., cs. .....lb. .33 - .34
Culver's root, bls.....lb. .17 - .18
Cumin seed, Algerian, bgs.....lb. .08½- .09
Morocco, bgs. .....lb. .09 Nom.
Cutch, Philippine, bls., c.l....lb. .05¼- .06
Extract, solid, bgs.....lb. .06½- .08½
Cyanamid, 21-22% N., pulv., bgs., dlvd., contrs., NH_3 unit..lb. 1.15 - —
Cyanide-chloride, mixture, 45%, gran., dms..lb. .10¾- —
lump, dms.....lb. .09¾- —
75%, gran., dms.....lb. .15 - —
75%, gran., dms.....lb. .15 - —

D

Damiana leaves, bls.....lb. .15 - .16
Dandelion root, German, bls..lb. .15 - .16
Deertongue leaves, bls.....lb. .09 - .09½
Degras, common, dom., bbls...lb. .07¾- .08¼
English, bbls.....lb. .07¾- .08¼
neutral, dom., bbls.....lb. .11 - .15
English, bbls.....lb. .11 - .15
Derris root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equal'd., with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs., or more..lb. .39 - —
2,000 lbs., to 10,000 lbs..lb. .40 - —
1,000 lbs., to 2,000 lbs..lb. .41½- —
200 lbs., to 1,000 lbs..lb. .43 - —

4% rotenone prices are 6c. per lb. less

Derris root, powd., contracts accepted for delivery only up to September 30, 1938. No protection against decline in price. Part deliveries against contract are billed at price for such smaller quantities, subject to adjustment when contract quantity is reached.

Dextrin, British gum, c.l. f.o.b. Chicago..100 lbs. 3.80 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.00 - —
Corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 3.55 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.75 - —
white, bgs., c.l., f.o.b. Chicago..100 lbs. 3.50 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.70 - —
Potato, import, bgs.....lb. .07¾- .08¾
Diamyl ether, dms., c.l., works, lb. .085 - —
l.c.l., works.....lb. .092 - —
tanks, works.....lb. .075 - —
Oxalate, dms., l.c.l., works..lb. .30 - —
Diamyl, phthalate, dms., c.l., dlvd..lb. .20½- —
l.c.l., dlvd.....lb. .21 - —
tanks, dlvd.....lb. .19½- —
Sulphide, dms., l.c.l., works..lb. 1.10 - —
Diamylamine, dms., c.l., works, lb. .87 - —
l.c.l., works.....lb. .50 - —
Diamylene, dms., c.l., works..lb. .095 - —
ports, May shipt...ton. 44.50 -45.00
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Diatomaceous earth, dom., bgs., c.l., Pacific cst., works, ton. 22.00 -85.00
l.c.l., ex whse.....ton. 45.00 -150.00
import, bgs., c.l., c.i.f.....ton. 30.00 - —
Dibutylamine, dms., l.c.l., works, lb. .55 - —
Dibutyl phthalate, dms., l.c.l..lb. .21 - —
Tartrate, dom., dms.....lb. .45 - .54
Dicalcium phosphate (see Calcium phosphate, dibasic).
Dichlorethyl ether, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Diethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., works.....lb. .25 - —
tanks, works.....lb. .23 - —
Diethyl carbonate, coml., dms.lb. .31¾- —
refd., 99%, dms.....lb. .50 - —
Carbinol (see Carbinol).
Phthalate, dms., c.l.....lb. .19 - —
l.c.l. .....lb. .19¼- —
tanks .....lb. .18 - —
Sulphate, dms., c.l., works..lb. .13 - —
l.c.l., works.....lb. .14 - —
tanks .....lb. .13 - —
Diethylanilin, dms.....lb. .40 - .50
Diethyleneglycol, dms., c.l., works, lb. .16 - —
l.c.l., works.....lb. .17 - —
Monobutylether, dms., works.lb. .23 - .34
Diethylene glycol monoethylether, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Diethylene oxide, dms., c.l., frt. alld..lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, works.....lb. .19 - —
Digitalis, leaves, dms.....lb. .42 - .45
Diglycol laurate.....lb. .23 - —
Diglycol oleate, light, bbls....lb. .20 - —
Diglycol stearate.....lb. .25 - —
Di-isobutyl ketone, dms., works, lb. .19 - —
Dillseed, recleaned, bgs.....lb. .07¼- .07¾
Dimethyl phthalate, dms., l.c.l. lb. .19 - —
Dimethylanilin, dms.....lb. .26 - .27
Dimethylethyl carbinol (see Carbinol).
Dinitrobenzene, bbls.....lb. .16 - .18
Dinitrochlorobenzene, bbls.....lb. .14 - —
Dinitronaphtalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .32 - .34

Dinitrotoluene—Gum

Dinitrotoluene, dms.	lb.	.15½-	—
oily, dms.	lb.	.09 -	—
Diorthotoluolguanidin, dms, 2,000 lbs. or over, dlvd.	lb.	.44 -	—
600-1,950 lbs., dlvd.	lb.	.46 -	—
150-450 lbs., dlvd.	lb.	.47 -	—
Dip oil (see Tar acid oil).			
Dipentene, dms.	gal.	.47 -	.50
tanks	gal.	.41 -	—
Diphenyl, bbls., c.l., works	lb.	.15 -	—
l.c.l., works	lb.	.20 -	.25
Oxide, perfume grade, cns.	lb.	.50 -	.55
Diphenylamine, bbls.	lb.	.31	Nom.
Diphenylguanidin, dms., 2,000 lbs. or over, dlvd.	lb.	.35 -	—
600-1,950 lbs., dlvd.	lb.	.36 -	—
150-450 lbs., dlvd.	lb.	.37 -	—
Diphenylmethane, bots.	lb.	1.40 -	2.00
Disodium phosphate (see Soda phosphate, dibasic)			
Divi-divi extract, bbls.	lb.	.06¾-	.06¾
Doggrass root, cut, bls.	lb.	.11 -	.12
Dogwood bark, dom., bls.	lb.	.07 -	.08
Jamaica, bls.	lb.	.07 -	.08
Dover's powder, USP, cns.	lb.	2.75 -	2.80
Dragon's blood, mass, cs.	lb.	.65 -	.85
reeds, thin, cs.	lb.	.80 -	.85
Duboisine sulphate, vls.	oz.	34.50	-35.00

Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—

36 Chrome yellow 2G	lb.	.65 -	.70
40 Chrome yellow R	lb.	.80 -	1.00
53 Victoria violet	lb.	.80 -	1.00
165 Lake red C	lb.	1.00 -	—
176 Fast red A	lb.	.60 -	.75
180 Fast red VR	lb.	1.50 -	1.65
189 Lake red R, paste	lb.	.85 -	.90
189 Lake red R, powdered	lb.	3.00 -	3.10
202 Chrome blue black U	lb.	.32 -	.40
204 Chrome black A	lb.	1.75 -	2.00
208 Fast red blue R	lb.	.75 -	2.00
216 Chrome red B	lb.	1.75 -	2.00
262 Cloth red 2B	lb.	.60 -	.80
289 Fast cyanin 5R	lb.	.90 -	1.00
299 Chrome black F	lb.	.60 -	.65
307 Fast cyanin black B	lb.	.80 -	.85
326 Direct cast scarlet	lb.	2.00 -	2.25
304 Paper yellow	lb.	.83 -	.90
365 Chrysophenin G	lb.	.58 -	.70
394 Direct violet N	lb.	1.25 -	1.30
382 Direct scarlet B	lb.	1.50 -	1.75
387 Direct violet B	lb.	1.00 -	1.30
401 Developed black BHN	lb.	.50 -	.75
406 Direct blue 2B	lb.	.25 -	.30
415 Direct orange R	lb.	.60 -	.70
419 Direct fast red F	lb.	.75 -	.85
420 Direct brown M	lb.	1.00 -	1.10
448 Benzo purpurin 4B	lb.	.40 -	.42½
495 Benzo purpurin 10B	lb.	.40 -	.50
502 Direct azurin G	lb.	.75 -	.80
512 Direct blue RD	lb.	.80 -	1.00
518 Direct pure blue 6B	lb.	1.10 -	1.25
520 Direct pure blue	lb.	.50 -	1.00
529 Direct fast black FF	lb.	.55 -	1.00
581 Direct black EW	lb.	.25 -	.50
582 Direct black RX	lb.	.35 -	.45
593 Direct green B	lb.	.75 -	.80
594 Direct green G	lb.	1.00 -	1.05
596 Direct brown 3GO	lb.	.35 -	1.00
620 Direct yellow R	lb.	1.25 -	1.50
603 Acid violet	lb.	1.00 -	3.00
812 Primulin	lb.	.50 -	.52
814 Direct fast yellow	lb.	2.00 -	2.25
845 Nigrosin(water soluble)	lb.	.35 -	.50
1177 Indigo, 20 p. c., paste	lb.	.15 -	.18
Benzo fast black L	lb.	.90 -	1.00
Sulphur black	lb.	.20 -	.25
Sulphur blue	lb.	.40 -	1.00
Sulphur brown	lb.	.25 -	.50
Sulphur maroon	lb.	.40 -	—
Sulphur olive	lb.	.25 -	.50
Sulphur tan	lb.	.30 -	.50
Sulphur yellow	lb.	.30 -	.50
Zambesi black	lb.	.75 -	.80

Dyes, coaltar, for stains (numbers are those of Colour Index scale):—

Oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 5c. per lb. higher; f.o.b. sellers' works or warehouse)

Black:—			
865 Nigrosin derivatives	lb.	.42 -	—
Blue:—			
1075 Alizarin astrol base	lb.	15.00 -	—
1078 Alizarin cyanin green base	lb.	6.00 -	—
729 Victoria blue	lb.	.75 -	—
Browns:—			
Brown	lb.	1.15 -	—
Green:—			
1078 Alizarin cyanin green	lb.	5.00 -	—
.... Green	lb.	.75 -	—
Orange:—			
24 Sudan I	lb.	.70 -	—
.... Orange, red shade	lb.	.75 -	—
Red:—			
73 Sudan II	lb.	1.05 -	—
258 Sudan IV	lb.	.95 -	—
749 Rhodamine B (oil pink)	lb.	2.50 -	—
1080 Anthroquinone violet base	lb.	6.00 -	—
680 Oil violet	lb.	.50 -	—
Yellow:—			
15 Amidoazobenezene yellow	lb.	.90 -	—
17 Amidoazotoluene yellow	lb.	.75 -	—
61 Yellow OB	lb.	1.40 -	—

Spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 5c. per lb. higher; f.o.b. sellers' works or warehouse).

Black:—			
864 Nigrosin	lb.	.40 -	—
Blue:—			
729 Victoria blue	lb.	2.55 -	—
660 Indulin	lb.	.70 -	—
Brown:—			
531 Bismarck brown	lb.	1.50 -	—
Green:—			
687 Malachite green base	lb.	2.00 -	—
Orange:—			
20 Chrysoidin G	lb.	.95 -	—
21 Chrysoidin R	lb.	.95 -	—
Red:—			
677 Fuchsin, magenta base	lb.	7.25 -	—
749 Rhodamine B	lb.	4.75 -	—
Yellow:—			
67 Amidoazotoluene yellow	lb.	.75 -	—
655 Auramine	lb.	2.00 -	—
800 Chinolin yellow SS	lb.	2.00 -	—
Violet:—			
680 Methyl violet	lb.	.70 -	—

Water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 5c. per lb. higher; f.o.b. sellers' works or warehouse).

Black:—			
246 Naphthol blue black S	lb.	.50 -	—
865 Nigrosin	lb.	.36 -	—
873 Methylene gray	lb.	1.50 -	—
Blue:—			
714 Patent blue A	lb.	1.45 -	—
729 Victoria blue B	lb.	2.00 -	—
861 Indulin	lb.	.37 -	—
909 New blue R	lb.	1.30 -	—
922 Methylene blue	lb.	1.00 -	—
1054 Alizarin saphirol B	lb.	1.90 -	—
1180 Indigotin IA	lb.	.35 -	—
Brown:—			
284 Resorcin brown Y	lb.	.65 -	—
285 Resorcin dark brown R	lb.	.66 -	—
281 Bismarck brown G	lb.	.52 -	—
332 Bismarck brown R	lb.	.57 -	—
766 Phosphin	lb.	4.65 -	—

Dyes, coaltar, for stains (numbers are those of Colour Index scale):—

Green:—			
5 Naphthol green B	lb.	1.00 -	—
657 Malachite green	lb.	1.35 -	—
662 Brilliant green	lb.	2.00 -	—
666 Guinea green B	lb.	1.15 -	—
737 Wool green S	lb.	.58 -	—
924 Methylene green B	lb.	1.55 -	—
1078 Alizarin cyanin green	lb.	2.35 -	—
Orange:—			
10 Chrysoidin G	lb.	.40 -	—
21 Chrysoidin R	lb.	.37 -	—
27 Orange G	lb.	.50 -	—
151 Orange T	lb.	.50 -	—
161 Orange R	lb.	.34 -	—
Water-soluble:—			
Red:—			
31 Amidonaphthol red G	lb.	.42 -	—
87 Amidonaphthol red 6B	lb.	.68 -	—
79 Ponceau R	lb.	.48 -	—
88 Fast red B	lb.	1.05 -	—
176 Fast red A	lb.	.54 -	—
179 Azorubin	lb.	.52 -	—
183 Crocein scarlet 3BX	lb.	.60 -	—
185 Cochineal red A	lb.	.60 -	—
252 Brilliant crocein M	lb.	.68 -	—
677 Fuchsin	lb.	2.10 -	—
749 Rhodamine B	lb.	3.50 -	—
752 Rhodamine 6G	lb.	4.50 -	—
768 Eosin G	lb.	1.50 -	—
841 Safranin	lb.	1.45 -	—
Water-soluble:—			
Violet:—			
680 Methyl violet B	lb.	.75 -	—
681 Crystal violet C	lb.	1.75 -	—
695 Acid violet 4BN	lb.	.88 -	—
Yellow:—			
10 Naphthol yellow S	lb.	.88 -	—
138 Metanil yellow	lb.	.55 -	—
636 Fast light yellow	lb.	1.25 -	—
639 Xylene light yellow	lb.	1.15 -	—
640 Tartarzin	lb.	.80 -	—
655 Auramine	lb.	1.27 -	—

Dyes, natural (see name of article).

E

Echinacea root, bls.	lb.	.20 -	.21
Egg albumen (see Albumen).			
yolk, bbls.	lb.	.62 -	.64
Elder flowers, bright, bls.	lb.	.20 -	.22
Elecampane root, bls.	lb.	.10 -	.11
Elm bark, grinding, bls.	lb.	.11 -	.12
powd., bbls., bxs.	lb.	.20 -	.21
select, bndls.	lb.	.45 -	.50
Emetine hydrochloride, bots.	oz.	17.00	-18.00
Ephedra, bls.	lb.	.13 -	.15
Ephedrine, tins, 100 ozs.	oz.	3.75 -	—
Hydrochloride, tins, 100 ozs.	oz.	2.75 -	—
Sulphate, cryst., tins, 100 ozs.	oz.	2.75 -	—
Epsom salt, tech., bgs.	100 lbs.	1.80 -	—
bbls.	100 lbs.	1.90 -	—
USP, cryst., dom., bgs., c.l.,	100 lbs.	2.00 -	—
l.c.l., 5,000 lbs., 1 withdrawal	lb.	2.25 -	—
smaller lots	lb.	2.50 -	—
bbls., c.l.	lb.	2.10 -	—
l.c.l., 5,000 lbs. 1 withdrawal	lb.	2.35 -	—
smaller lots	lb.	2.60 -	—
Epsom salt, U.S.P., kgs., c.l.	lb.	2.35 -	—
l.c.l., 5,000 lbs., 1 withdrawal	lb.	2.60 -	—
smaller lots	lb.	2.85 -	—
dried, dom., bgs., l.c.l.	lb.	.06 -	.10
Ergot, USP, cs., dms.	lb.	1.25 -	1.30
Eserine, bots.	oz.	42.00	- —
Salicylate, bots.	oz.	33.00	-34.00
Sulphate, bots.	oz.	30.00	- —
Ether, acetic (see Ethyl acetate)			
Ethyl (see Ether, sulphuric).			
Nitrous, conc., bots., 100 lbs.,	lb.	.68 -	—
Sulphuric, conc., dms., 120 lbs.,	lb.	.09 -	—
cns., 27 lbs.	lb.	.14 -	—
synth., dms., c.l., works	lb.	.08 -	—
l.c.l. w.orks	lb.	.09 -	—
USP, anesthesia, dms., 27 lbs.,	lb.	.26 -	—
USP, 1880, dms.	lb.	.39 -	.40
washed, dms.	lb.	.37 -	.38
Ethyl acetate, 85 p.c., dms., c.l., frt. alld.	lb.	.06½-	—
l.c.l., frt. alld.	lb.	.07 -	—
tanks, frt. alld.	lb.	.05½-	—
99 p.c., dms., c.l., frt. alld.,	lb.	.07¼-	—
l.c.l., frt. alld.	lb.	.07¾-	—
tanks, frt. alld.	lb.	.06¾-	—
N. F., VI, 99%, dms., 400 lbs.	lb.	.08½-	—
cns., 85 lbs.	lb.	.13½-	—
USP, VIII, 90%, dms., 400 lbs.	lb.	.07½-	—
cns., 85 lbs.	lb.	.12¾-	—
Acetoacetate, dms., c.l., works,	lb.	.27½-	—
l.c.l., dms., works	lb.	.28 -	—
Bromide, tech., dms.	lb.	.56 -	.65
Caproate, cns.	lb.	1.00 -	—
Chloride, dms.	lb.	.22 -	.24
Cinnamate, cns.	lb.	3.20 -	4.00
Crotonate, dms., works	lb.	1.00 -	1.25
Formate, cns., dms.	lb.	.23 -	.24
Iodide, bots.	lb.	4.85 -	4.90
Lactate, 55-gal dms., works	lb.	.33 -	—
5-gal. dms., works	lb.	.36 -	—
Oxalate, dms.	lb.	.30 -	.34
Silicate, l.c.l., dms., works	lb.	.77 -	—
Ethylcellulose, bgs., 500 lbs. or more, frt. alld.	lb.	.6440-	—
100 lbs., frt. alld.	lb.	.6930-	—
smaller lots, works	lb.	.7425-	—
Ethylene bromide, dms.	lb.	.65 -	.70
Dichloride, dms., c.l., works, E. of Rockies, frt. alld.	lb.	.0545-	.05½
West of Rockies, same basis	lb.	.0595-	.06
l.c.l., dms., works, E. of Rockies, frt. alld.	lb.	.0644-	.06¾
West of Rockies, same basis	lb.	.0694-	.07
Ethyleneglycol, dms., c.l.	lb.	.16 -	—
l.c.l.	lb.	.17 -	.20
tanks	lb.	.15 -	—
Monobutylether, dms., c.l., works	lb.	.18 -	—
l.c.l., works	lb.	.19 -	.23
tanks, works	lb.	.17 -	—
Monoethylether, dms., c.l., works	lb.	.13 -	—
l.c.l., works	lb.	.16 -	—
tanks, works	lb.	.14 -	—
Monoethylether, acetate, dms., c.l., works	lb.	.13 -	—
l.c.l., dms.	lb.	.14 -	—
tanks, works	lb.	.12 -	—
Monomethylether, dms., c.l., works	lb.	.17 -	—
l.c.l., works	lb.	.18 -	—
tanks, works	lb.	.16 -	—
Ethylidinaniliu, dms.	lb.	.45 -	.47½
Ethylmethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts.,	lb.	.06½-	—
l.c.l., same terms	lb.	.07 -	—
tanks, same terms	lb.	.06¼-	—
Ethylorthoparatoluenesulphonamide,	bbls.	lb.	.55 -	—
Ethylparatoluenesulphonamide,	bbls.	lb.	.60 -	—
Eucalyptol, cns., dms.	lb.	.58 -	.60
Eucalyptus leaves, bls.	lb.	.08 -	.09
Eugenol, bgs., cns.	lb.	2.10 -	2.55
Euphorbia, bls.	lb.	.05 -	.06

F

Feldspar, enamel, 100 mesh, bulk, works	ton.	14.00	-15.00
glass, 20 mesh, bulk, works	ton.	11.00	-12.25
pottery, bulk, Me. works	ton.	17.00	-19.00
N.C. works	ton.	17.00	-19.00
Fennel seed, French type, bgs.,	lb.	.07½-	.08
Indian, bags	lb.	.07½-	.07¾
German, large, bgs.	lb.	.18 -	.19
small, bgs.	lb.	.13 -	.14
Fenugreek seed, bgs.	lb.	.03¾-	.04¼
Ferric sulphate, dms., works	ton.	35.00	-40.00
Film scrap, colors, dark, cs., 1,000 lbs. or over, works	lb.	.12¾-	—
smaller lots, works	lb.	.13 -	—
Film scrap, colors, light, cs., 1,000 lbs. or over, works,	lb.	.13½-	—
smaller lots, works	lb.	.14 -	—
water white, cs., 1,000 lbs, or over, works	lb.	.15½-	—
smaller lots, works	lb.	.16 -	—
Fir balsam, Canada, cns.	gal.	17.00	-18.00
Oregon, bbls.	gal.	1.35	- 1.40
Fish berries, bgs.	lb.	.08 -	.09
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures	unit-ton.	2.75 &	.10
grd., 11-12% ammon., 15% bone phos., bgs., f.o.b. Balto	ton.	50.00	Nom.
wet, acidulated, 6-7% ammon., 3-4% phosphor. acid, bulk, E. cst. factories, contracts	unit-ton.	2.50 &	.50
sardine, meal, Japanese, 11¼% ammon., bxs., c.l.f. ports, May shipt	ton.	44.00	- —
spot or nearby	ton.	43.00	- —
Flake white, bbls., kgs.	lb.	.09½-	—
Fleaseed, French, black, bgs.	lb.	.08 -	.08½
Indian, blonde, bgs.	lb.	.08 -	.08½
Fluorspar, dom., No. 1 ground, bulk, 95-98%, f.o.b. mines,	ton.	31.50	Nom.
Washed gravel, 85-5, f.o.b. Ill.-Ky. mines	ton.	20.00	Nom.
No. 2, lump, 85.5 f.ob. Ky. and Ill. mines	ton.	22.00	Nom.
imported, 85% not over 5% duty paid	ton.	23.50	Nom.
Formaldehyde, bbls., c.l., works,	lb.	.05¾-	—
l.c.l., works	lb.	.06¼-	—
dms., c.l., works	lb.	.05¼-	—
l.c.l., works	lb.	.05¾-	—
tanks, works	lb.	.04½-	—
Fringetree bark, bls.	lb.	.13 -	.14
Fullers earth, dom., bgs., c.l., f.o.b. Fla., Ga., mines	ton.	10.00	- —
import, bgs., c.l., ex dock	ton.	23.00	- —
l.c.l., ex whse.	ton.	30.00	- —
Furfural, refd., dms., c.l., works,	lb.	.15 -	—
l.c.l., works	lb.	.17½-	.25
tech., dms., contracts, 150,000 lbs., works	lb.	.10 -	—
c.l., works	lb.	.12½-	—
l.c.l., works	lb.	.15 -	.20
tanks, works	lb.	.09 -	—
Fusel oil, refd., dms. incl., dlvd.	lb.	.12½	.14
Fustic extract, cryst., bbls.	lb.	.22 -	.26
liquid, bbls.	lb.	.09½-	.13
solid, dms.	lb.	.17½-	.19¼

G

G salt, bbls.	lb.	.45 -	.48
Galangal root, bls.	lb.	.09 -	.10
Gall extract, bbls.	lb.	.19 -	.20
Gambier, common, bgs.	lb.	.06¾-	.07¾
plantation, bgs.	lb.	.08½-	.09¾
Cubes, Singapore, bgs.	lb.	.10½-	.11
Extract, bbls.	lb.	.08½-	.09½
Gasoline at refinery:—			
Bayonne, US motor, below 65 octane, tanks.	gal.	.07 -	.07¼
65 octane and above, tanks,	gal.	.07½-	.07¾
California, 54-58, tanks.	gal.	.07¼-	.08½
Gulf Coast, U. S. Motor, bulk,	gal.	.04¾-	—
60-62, 390 e.p., bulk, export,	gal.	.04¾-	—
60-62, 400 e.p., bulk, export,	gal.	.04¾-	—
64-66, 375 e.p., bulk, export,	gal.	.04¾-	.04¾
Louisiana-Arkansas, US motor, 62 octane, tanks.	gal.	.04¼-	.04½
63-66 octane, tanks	gal.	.04½-	.04¾
67-69 octane, tanks	gal.	.04¾-	.05
70-72 octane, tanks	gal.	.05½-	.05¾
Oklahoma-Texas, US motor, 62 octane and below, tanks.	gal.	.04¼-	.04¼
third grade, tanks	gal.	.04½-	.04½
63-66 octane, tanks	gal.	.04¾-	—
67-69 octane, tanks	gal.	.04¾-	—
70-72 octane, tanks	gal.	.04¾-	.05½
natural, 12-lb. v. p., tanks,	gal.	.04¼-	.04½
14-lb. v.p., tanks	gal.	.03¾-	—
18-lb. v.p., tanks	gal.	.03 -	—
22-lb. v.p., tanks	gal.	.02¾-	—
26-70 lb., v.p., tanks.	gal.	.02 -	.02½
Pennsylvania, US motor, below 60 octane, tanks.	gal.	.05 -	—
65 octane, tanks	gal.	.06¼-	.06½
52-56 450 e.p., naphtha, tanks.	gal.	.04¾-	.05
Gelatin, silver, cs.	lb.	.45 -	.50
Gelsemium root, bls.	lb.	.11 -	.12
Gentian root, bls.	lb.	.09 -	.10
grd., bbls., bxs.	lb.	.12 -	.13
powd., bbls., bxs.	lb.	.13 -	.14
Geraniol, cns., dms.	lb.	.67 -	3.00
Geranyl acetate, bots., dms.	lb.	1.20 -	2.50
Ginger root, African, bgs.	lb.	.07¼-	.07½
Cochin, lemon, bgs.	lb.	.11½-	.12
Jamaica, bold, bgs.	lb.	.16 -	.16½
grinding, bright, bgs.	lb.	.12½-	.13
medium, bold, bgs.	lb.	.14½-	.14½
Japanese, bgs.	lb.	.09½-	.10
Ginseng fibers, cs.	lb.	1.75 -	3.00
Root, cultivated, cs.	lb.	10.00	-11.00
wild, Southern, cs.	lb.	6.00 -	7.00
Glauber's salt, anhyd. (see Soda sulphate).			
cryst., dom., bgs., bbls., c.l., works	100 lbs.	.95 -	1.15
5 tons or over, works	100 lbs.	1.05 -	1.25
less than 5 tons, works	100 lbs.	1.15 -	1.35
import., bgs.	100 lbs.	1.05 -	1.35
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., dlvd.	lb.	.13 -	—
l.c.l., dlvd.	lb.	.13½-	—
36/58, bgs., c.l., dlvd.	lb.	.13½-	—
l.c.l., dlvd	lb.	.14 -	—
58/82, bgs., c.l., dlvd.	lb.	.14½-	—
l.c.l., dlvd.	lb.	.15 -	—
82/108, bgs., c.l., dlvd.	lb.	.15 -	—
l.c.l., dlvd.	lb.	.15½-	—
hide, calcimine type, 53 millipoise, 135 jelly grams, bgs., c.l., dlvd., East, Middlewest.	lb.	.15 -	—
l.c.l., same basis	lb.	.15½-	—
60/164, bgs., c.l., same basis	lb.	.16½-	—
l.c.l., same basis	lb.	.17 -	—
67/122, bgs., c.l., same basis	lb.	.17½-	—
l.c.l., same basis	lb.	.18 -	—
Glue, hide, calcimine type, 75/222, bgs., c.l., same basis	lb.	.18½-	—
l.c.l., same basis	lb.	.19½-	—
83/251, bgs., c.l., same basis	lb.	.19½-	—
l.c.l., same basis	lb.	.20½-	—
92/283, bgs., c.l., same basis	lb.	.20½-	—
l.c.l., same basis	lb.	.21½-	—
102/315, bgs., c.l., same basis	lb.	.21 -	—
l.c.l., same basis	lb.	.22 -	—
113/347, bgs., c.l., same basis	lb.	.22 -	—
l.c.l., same basis	lb.	.23 -	—
125/379, bgs., c.l., same basis	lb.	.23 -	—
l.c.l., same basis	lb.	.24 -	—

Glue prices for barrel packing, ½c. lb. higher, grinding charge, 20-40 mesh, ½c. lb.; 60 mesh, 1c. lb.

Glycerin, C.P., makers, cns., l.c.l.	lb.	.17½-	.18
dms., extra, c.l.	lb.	.15½-	—
l.c.l.	lb.	.16 -	—
dynamite, dms., extra, c.l.	lb.	.15½-	—
l.c.l.	lb.	.16 -	—
saponification, basis 88%, dms., returnable, dlvd.	lb.	.10½-	.11
soapiye, basis 80%, dms., returnable, dlvd.	lb.	.09½-	.10
yellow, distilled, dms., extra, c.l.	lb.	.15¾-	—
l.c.l.	lb.	.15¾-	—
Glycol boriborate, dms.	lb.	.23 -	—
Phthalate, dms.	lb.	.38 -	—
Stearate, dms.	lb.	.25 -	—
Gold, U.S. purchase price	oz.	35.00	-
Chloride, acid brown, bots.	oz.	20.75	-21.00
yellow, bots.	oz.	18.75	-19.00
Gold-soda chloride, photo., bots.,	oz.	13.00	- —
U.S.P. IX, bots.	oz.	14.50	-14.75
Gold of pleasure seed, bgs.	lb.	.15½-	.16
Golden seal root, bls.	lb.	3.40	- 3.45
powd., bxs.	lb.	3.55	- 3.60
Grains of paradise, bgs.	lb.	.25 -	.27
Graphite, flake (cryst.), 90% 325 mesh, 50% graphitic carbon, bgs., c.l., works.	lb.	.06 -	—
bbls., c.l., works	lb.	.06¼-	—
l.c.l., works	lb.	.06½-	—
powd., 90% 325 mesh, 65% graphitic carbon, bgs., c.l., works.	lb.	.02½-	—
bbls., c.l., works	lb.	.02¾-	—
l.c.l., works	lb.	.03¼-	—
80% graphitic carbon, bgs., c.l., works.	lb.	.03½-	—
bbls., c.l., works	lb.	.03¾-	—
l.c.l., works	lb.	.04½-	—
Grease, house, trcs.	lb.	.03¾-	.04
White, trcs.	lb.	.05¼	Nom.
Yellow, trcs.	lb.	.03¾-	.04
Wool (see Adeps lanae and Degras).			
Green, chrome, C.P., dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis.	lb.	.21 -	—
6-10%, bbls., same basis.	lb.	.22 -	—
11-15%, bbls., same basis.	lb.	.23 -	—
16-20%, bbls., same basis.	lb.	.23¼-	—
21-25%, bbls., same basis.	lb.	.24 -	—
26-30%, bbls., same basis.	lb.	.24½-	—
31-35%, bbls., same basis.	lb.	.25½-	—
36-40%, bbls., same basis.	lb.	.27 -	—
41-45%, bbls., same basis.	lb.	.28½-	—
46-50%, bbls., same basis.	lb.	.30 -	—
over 50%, bbls., same basis	lb.	.31 -	—

Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La., (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

reduced, C.P. color content up 5%, bbls., same basis,

	lb.	.06 -	—
6-10%, bbls., same basis.	lb.	.06¾-	—
11-13%, bbls., same basis.	lb.	.07¼-	—
14-16%, bbls., same basis.	lb.	.07½-	—
17-19%, bbls., same basis.	lb.	.07¾-	—
20-21%, bbls., same basis.	lb.	.08 -	—
22-23%, bbls., same basis.	lb.	.08¼-	—
24-25%, bbls., same basis.	lb.	.08¾-	—
26-27%, bbls., same basis.	lb.	.08¾-	—
28-29%, bbls., same basis.	lb.	.09¾-	—
30-31%, bbls., same basis.	lb.	.10 -	—
32-33%, bbls., same basis.	lb.	.11¼-	—
34-35%, bbls., same basis.	lb.	.12¼-	—
36-40%, bbls., same basis.	lb.	.14¼-	—
41-45%, bbls., same basis.	lb.	.16¼-	—
46-50%, bbls., same basis.	lb.	.18¾-	—
51-55%, bbls., same basis.	lb.	.17¼-	—
56-60%, bbls., same basis.	lb.	.17¾-	—
61-65%, bbls., same basis.	lb.	.18¼-	—
66-70%, bbls., same basis.	lb.	.19¼-	—
71-75%, bbls., same basis.	lb.	.20¼-	—
Chrome, oxide, dom., pure, bbl.	lb.	.22 -	—
ceramic, light shades, bbls., c.l., works.	lb.	.28 -	—
l.c.l., works	lb.	.30 -	—
standard grade, bbls., works.	lb.	.21 -	.22
Tetrahydroxide, bbls.	lb.	.65 -	—
Paris (see P)			
Tungstated, brilliant, kgs.	lb.	3.75 -	—
emerald, kgs.	lb.	2.60 -	—
Verdigris (see V)			

Green dyes are listed under Dyes.

Grindelia robusta, bls.	lb.	.08 -	.09
Guaiac resin, cs.	lb.	.27 -	.28
strained, cs.	lb.	.90 -	1.00
Wood, bls.	lb.	.04 -	.05
Guaiacol, liq., djns.	lb.	1.55 -	1.70
Carbonate, fib. dms., 25 lbs.	lb.	2.40 -	2.74
Guarana, powd., cs.	lb.	1.05 -	1.10
Gum, aloe (see A).			
Ammoniac, tears., cs.	lb.	.85 -	.90
Arabic, amber sorts, cleaned, bgs.	lb.	.10¼-	.10¾
white, sorts, 1, bgs.	lb.	.27 -	.28
2, bgs.	lb.	.25 -	.26
powd., bbls.	lb.	.13½-	.14
Asafetida (see A).			
Asphaltum (see A).			
Benzoin, Siam, cs.	lb.	1.40 -	1.65
Sumatra, cs.	lb.	.17½-	.19
Camphor (see C).			
Chicle, prime, 33% moisture, bgs., ton lots	lb.	.38 -	.39
Copal, Congo I, water white, transparent, bgs., c.l., ex dock or ex whse.,	lb.	.39½-	—

Copal, dammar, elemi, kauri, mastic, sandarac, and yacca gums prices c.l. (30,000 lbs. min.) apply to assorted lots of gums as well as one grading; l.c.l. prices are ¼c. higher for 10 bgs. or over; ½c. higher for 1-9 bgs.

2, cloudy, white, bgs., c.l., same basis	lb.	.28¾-	—
3, selected pale straw bold, bgs., c.l., same basis	lb.	.18¼-	—
4, pale bold straw, bgs., c.l. same basis	lb.	.18¾-	—
5, pale straw bold, bgs., c.l. same basis	lb.	.14¾-	—
6, pale amber bold, bgs., c.l., same basis	lb.	.15¾-	—
7, pale straw bold, bgs., c.l., same basis	lb.	.12¾-	—
8, light amber bold, bgs., c.l., same basis	lb.	.11¾-	—

Gum, copal, Congo, 9, medium light amber bold, bgs., c.l., same basis..lb. .09⅜- —
10, rescraped hard amber bold, bgs., c.l., same basis, lb. .09¾- —
11, hard dark amber bold, bgs., c.l., same basis..lb. .08¼- —
12, selected bold sorts, bgs., c.l., same basis..lb. .06¾- —
13, dark sorts bold, bgs., c.l., same basis..lb. .05¾- —
14, selected, fully scraped, ivory, bgs., c.l., same basis..lb. .17⅞- —
15, ordinary ivory sorts, bgs., c.l., same basis..lb. .06⅞- —
16, inferior ivory sorts, bgs., c.l., same basis..lb. .05⅜- —
17, pale fingers, bgs., c.l., same basis..lb. .15⅞- —
18, pale straw nubs, bgs., c.l., same basis..lb. .12¼- —
19, pale straw nubs, bgs., c.l., same basis..lb. .11⅜ —
20, hard dark amber nubs, bgs., c.l., same basis..lb. .08¾- —
21, ordinary selected nubs, c.l., same basis..lb. .07¼- —
22, small mixed nubs, bgs., c.l., same basis..lb. .06⅝- —
23, dark mixed nubs, bgs., c.l., same basis..lb. .06¾- —
24, No. 1, ivory nubs, bgs., c.l., same basis..lb. .14¼- —
25, No. 2, natural ivory nubs, bgs., c.l., same basis, lb. .07 - —
26, pale bold chips, bgs., c.l., same basis..lb. .06¼- —
27, pale small chips, bgs., c.l., same basis..lb. .05⅞- —
28, pale dust, bgs., c.l., same basis..lb. .05 - —
East India, Batu, bold scraped, bgs., c.l., same basis, lb. .05½- —
unscraped, bgs., c.l., same basis..lb. .04 - —
chips, bgs., c.l., same basis, lb. .03⅝- —
dust, bgs., c.l., same basis..lb. .03¼- —
nubs and chips, bgs., c.l., same basis..lb. .03⅜- —
black, bold, scraped, bgs., c.l., same basis..lb. .06⅜- —
unscraped, bgs., c.l., same basis..lb. .04¼- —
nubs and chips, bgs., c.l., same basis..lb. .04¼- —
Hiroe, Macassar, pale, bold, bgs., c.l., same basis.lb. .12½- —
chips, bgs., c.l., same basis..lb. .05⅜- —
dust.,bgs.,c.l.,same basis, lb. .03¼- —
nubs, bgs., c.l., same basis..lb. .10⅝- —
Singapore, Rasak, bold, bgs., c.l., same basis..lb. .15¼- —
chips, bgs., c.l., sama basis, lb. .04¾- —
dust,bgs.,c.l.,same basis.lb. .03¼- —
nubs, bgs.,c.l.,same basis.lb. .10 - —
Manila, Boeas, amber and dark, bskts., c.l., same basis..lb. .11½- —
light, bskts., c.l., same basis..lb. .13¾- —
Loba A, bskts., c.l., same basis..lb. .12 - —
B, bskts.,c.l.,same basis..lb. .11 - —
C, bskts.,c.l.,same basis..lb. .10½- —
CNE, bskts., c.l., same basis..lb. .06⅝- —
D, bskts., c.l., same basis, lb. .09⅜- —
DK, bskts., c.l., same basis, lb. .06⅝- —
DU, bskts., c.l., same basis, lb. .08¾- —
dust, bskts.,c.l., same basis, lb. .06⅜- —
Sambas and white split chips, bskts., c.l., same basis..lb. .15 - —
Singapore, dust., bskts., c.l., same basis..lb. .06⅜- —
spirit-soluble, CBB, bskts., c.l., same basis..lb. .08¾- —
DBB, bskts., c.l., same basis..lb. .08 - —
MA, bskts., c.l., same basis, lb. .06½- —
MB, bskts., c.l., same basis, lb. .06 - —
WS, bskts., c.l., same basis, lb. .08 - —
Philippine Manila, amber sorts, bskts., c.l., same basis, lb. .06⅝- —
chips, pale, bskts., c.l., same basis..lb. .08½- —
small, bskts., c.l., same basis..lb. .07¼- —
extra pale sorts, bskts., c.l., same basis..lb. .08¾- —
nubs, bskts., c.l., same basis..lb. .10⅝- —
pale, scraped, bskts., c.l., same basis..lb. .11⅜- —
seeds and dust, bskts., c.l., same basis..lb. .05⅞- —
Pontianak, bold, genuine, bgs., same basis..lb. .16½- —
mixed, bgs., c.l., same basis..lb. .14 - —
chips, bgs., c.l., same basis, lb. .10¼- —
split, bgs., c.l., same basis, lb. .13⅞- —
nubs, bgs.,c.l., same basis.lb. .12⅞- —
Dammar, Batavia A, cs., c.l., same basis as copal..lb. .22⅝- —
A/D, cs., c.l., same basis.lb. .17¾- —
A/E, cs., c.l., same basis. lb. .14½- —
B, cs., c.l., same basis...lb. .21 - —
C, cs., c.l., same basis...lb. .18¼- —
D, cs., c.l., same basis....lb. .15¼- —
dust., cs., c.l., same basis.lb. .06⅝- —
E, cs., c.l., same basis....lb. .07¾- —
F, cs., c.l., same basis...lb. .07¼- —
Singapore 1, cs., c.l., same basis..lb. .18⅝- —
2, cs., c.l., same basis....lb. .12⅝- —
3, cs., c.l., same basis....lb. .05½- —
chips, cs., c.l., same basis.lb. .11⅝- —
dust., cs., c.l., same basis.lb. .05½- —
seeds, cs., c.l., same basis.lb. .08¼- —
Elemi, cns., c.l., same basis as copal..lb. .08¾- —
Ester, dms., dlvd., New England, N. J., eastern N. Y. and Pa., Del., and Md., 75,000 lbs., contrs. or single shipt., 10,000 lbs., lb. .07¼- .07¾
less than 10,000 lbs., same basis..lb. .07½- .08
dlvd., western N. Y. and Pa., Ohio, Mich., Ind., Ill., Wis., Minn., Iowa, Mo., Ky., Va., W. Va., and N. C., 75,000 lbs., contrs. or stright c.l., lb. .07¾- .08¼
l.c.l., same basis.....lb. .08 - .08½
dlvd., elsewhere, 75,000 lbs., contrs. or straight, c.l.lb. .08 - .08½
l.c.l., same basis.....lb. .08¼- .08¾
Euphorbium, cs.....lb. .17 - .18
Galbanum, cs.....lb. .90 - .95
Gum, gamboge, pipe, cs.....lb. .70 - .75
powd., bbls.....lb. .75 - .80
Ghatti, soluble, bgs.....lb. .11 - .15
superior, bgs.....lb. .09 - .11
Guaiac (see Guaiac resin).
Karava, bbls., bxs., dms....lb. .14½- .23
Kauri, brown, XXX, cs., c.l., lb. .60 - —
BX, cs., c.l., same basis..lb. .38 - —
B1, cs., c.l., same basis..lb. .28 - —
B2, cs., c.l., same basis..lb. .24 - —
B3, cs., c.l., same basis..lb. .18½- —
80% chips, cs., c.l., same basis..lb. .12½- —
pale, XXX, cs., c.l., same basis..lb. .61 - —
1, cs., c.l., same basis..lb. .41 - —
2, cs., c.l., same basis..lb. .24 - —
3, cs., c.l., same basis..lb. .17⅝- —
Kino, tins.....lb. 2.50 - 2.75
Mastic, cs., c.l., same basis as copal..lb. .55 - .56
Myrrh, USP, cs.....lb. .35 - .36
Olibanum, siftings, bls.....lb. .07½- .18
tears, cs.....lb. .18 - .24
Opium (see O)
Rosin (see R)
Sandarac, cks., c.l., same basis as copal..lb. .25 - .26
Scammony, cs.....lb. 1.10 - 1.15
Senegal, picked, bgs.....lb. .25 - .27
sorts, bgs.....lb. .10¼- .10½
Talha, bgs.....lb. .07½- .08
Thus, bbls.....280 lbs. 14.00 -14.25
Tragacanth, Alleppo 1, cs....lb. 2.75 - 3.00
2 cs.....lb. 2.40 - 2.45
3, cs.....lb. 2.35 - 2.45
4, cs.....lb. 2.30 - 2.35
5, cs.....lb. 2.25 - 2.35
Flake, bgs.....lb. .50 - 1.00
Yacca, bgs., c.l., same basis as copal..lb. .03½- —
powd., bgs., c.l., same basis.lb. .04½- —
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald.ton.21.15 - —
Medicine Lodge, Kans., frt. equald..ton.17.00 - —
New Brighton, N. Y., frt. equald..ton.27.15 - —
Southard, Okla., frt. equald..ton.17.00 - —
Sweetwater, Tex., frt. equald..ton.21.15 - —
plaster of paris, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.12.50 - —
Blue Rapids, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.15.70 - —
Brighton, N. Y., frt. equald..ton.15.70 - —
Southard, Okla., frt. equald..ton.12.50 - —
Sweetwater, Tex., frt. equald..ton.12.50 - —
stucco, paper bgs., c.l., f.o.b. Acme, Texas; Blue Rapids, Kans.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; New Brighton, N. Y.; Oakfield, N. Y.; Plasterco, Va.; Southard, Okla., Sweetwater, Tex., frt. equald, ton. 8.00 - —
Terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y.; Southard, Okla., frt. equald..ton.12.00 - —
import, bgs., ex dock....ton.27.50 - —

H

Heliotropin, cryst., cns.....lb. 1.80 - 2.20
Hellebore, white, root, powd., bbls.lb. .12 - .13
Helonias root, bls.....lb. .59 - .60
Hematine crystals, bbls.....lb. .18 - .28
Hemlock extract, 25% tan., bbls.lb. .03 - .04
Hempseed, Manchur, bgs.....lb. .0600- .0640
Henbane leaves, bls.....lb. .15 - .16
Henna leaves, bls.....lb. .07¼- .08
powd., bbls., bxs.....lb. .10 - .11
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .11 - —
l.c.l., Group 3.....gal. .16 - —
tanks, Group 3.....gal. .08½- —
normal, 86-100°, dms., c.l., Group 3..gal. .11½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .09½- —
Hexalin, dms.....lb. .30 - —
Hexane, normal, 60-70° C., dms., c.l., Group 3..gal. .12½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .14 - —
l.c.l., Group 3.....gal. .25 - —
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more shipments, f.o.b. Perth Amboy or N. Y. C..lb. .35 - —
150 to 1,350 lbs. shipments, same basis..lb. .38 - —
USP, dms., 500 lbs, or more, shipments, same basis, lb. .46 - —
100 to 400 lbs., shipments, same basis..lb. .47 - —
Hexyl acetate, secondary, dms., c.l., frt. pd. E. of Rocky Mts..lb. .13 - —
l.c.l., same terms.....lb. .13½- —
tanks, same terms.....lb. .12 - —
Homatropine hydrobromide, bots., 50 ozs..oz.13.00 - —
25 ozs.....oz.13.50 - —
Hi-Flash, solvent, dms., wks., frt., equald..gal. .31 - —
tanks, same basis.....gal. .26 - —
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago..unit-ton. 2.50 - —
Hops, N. F., bls.....lb. .17 - .27
Horehound, bls.....lb. .10 - .11
Hydrangea root, bls.....lb. .12 - .13
Hydrastine, bots., 4 ozs.....oz.17.25 - —
cns., 1¢ ozs.....oz.17.00 - —
Hydrochloride, bots., 4 ozs...oz.17.25 - —
cns., 1¢ oz.....oz.17.00 - —
Sulphate, bots., 4 ozs.....oz.19.25 - —
cns., 1¢ oz.....oz.19.00 - —
Hydrastis (see Golden seal).
Hydrofluramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls.lb. .03¼- .04
100 vols., cbys., E. of Miss. R.lb. .19½- .20
W. of Miss. R.....lb. .21 - —
Hydroquinone, dealers, bbls., .90 - .94
Hydroxycitronellal, cns.....lb. 2.00 - 2.50
Hyoscine hydrobromide, bots..oz.18.00 -19.00
Hyoscyamine, bots.....oz.15.00 - —
Hydrobromide, bots.....oz.15.00 - —
Sulphate, bots.....oz.15.00 - —
Hypernic, liq., 51°, bbls.....lb. .16 - .21
solid, bxs.....lb. .18½- .20½

I

Iceland moss, bls.....lb. .12 - .13
Ichthyol, bots.....lb. 4.00 - 4.25
Indian red (see Red, Indian).
Indigo, nat., Madras, cs.....lb. 1.63 - 1.67
synth., liq., bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb. 32.00 -34.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs.....lb. 1.01 - —
kgs., 150 lbs.....lb. .95 - —
resubl., bots., 5 lbs.....lb. 1.60 - —
jars, 50 lbs.....lb. 1.50 - —
tincture, USP, bbls., 47 gals., gal. 1.55 - —
cbys., 5 gals.....gal. 1.65 - —
mild, bbls., 47 gals.....gal. .80 - —
cbys., 5 gals.....gal. .90 - —
Iodoform, dms., 100 lbs.....lb. 3.75 - —
jars, 25 lbs.....lb. 3.85 - —
Ionone, bots.....lb. 1.30 - 4.05
Ipecac root, bgs.....lb. 1.10 - 1.15
powd., bxs.....lb. 1.20 - 1.25
Irish moss, ordinary, bls.....lb. .10 - .11
powd., 80-90 mesh, bbls...lb. .24 - .32
prime, bleached, bls.....lb. .18 - .20
Iron acetate, N. F. IV, cbys., 100 lbs..lb. .15 - —
djns., 50 lbs.....lb. .16 - —
liquor, bbls., c.l., dlvd....lb. .06 - —
l.c.l., dlvd.....lb. .04 - —
Chloride (ferric), tech., anhyd., 390-lb. dms..100 lbs. 4.65 - 6.25
150-lb. dms.....100 lbs. 5.00 - 6.60
cryst., bbls., works, frt. alld. or equld..lb. .05 - .06
kegs, works, frt. alld. or equld..lb. .07½- .08
liquor, cbys., works, frt. alld. or equld..lb. .05 - .06
USP X, cryst., bbls.....lb. .07¼- —
kegs.....lb. .08½- —
USP solut., cbys., works, frt. alld. or equld..lb. .06½- .07
djns.....lb. .07¼- —
Citrate, USP VIII, pearls, cns., lb. .72 - .75
powd., cns.....lb. .84 - .87
scales, cns.....lb. .77 - .80
Glycerophosphate, bbls., kgs., 1,000 lb. lots..lb. 2.87 - —
smaller lots.....lb. 2.97 - —
cns., 25 lbs.....lb. 3.09 - —
Hypophosphite, cns.....lb. 1.55 - 1.60
Iodide, bots.....lb. 2.85 - 3.00
syrup, djns.....lb. .37 - .38
bots.....lb. .52 - —
Nitrate, coml., kgs.....lb. .02⅝- .06
Oxalate, powd., kgs.....lb. .47 - —
cns.....lb. .82 - —
scales, cns.....lb. .83 - .85
Oxide (see Black, Red, etc.).
Phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scales, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
Ferrous, bbls., 200 lbs.....lb. .35 - —
bxs., 25 lbs.....lb. .40 - —
kgs., 100 lbs.....lb. .37 - —
Pyrophosphate, pearls, cns..lb. .50 - .62
scales, cns.....lb. .64 - .67
Reduced, 90%, cs.....lb. .60 - .65
Sulphate, tech. (see Copperas and ferric sulphate).
USP, cryst., bbls., 275 lbs. lb. .04½- —
dms., 100 lbs.....lb. .06½- —
Iron-ammonia citrate, brown, gran., cns..lb. .37 - .40
pearls, cns.....lb. .37 - .40
scales, cns.....lb. .47 - .50
green, gran., cns.....lb. .37 - .40
pearls, cns.....lb. .37 - .40
scales, cns.....lb. .47 - .50
Oxalate, bxs.....lb. .30 - —
fib., dms.....lb. .22½- —
kgs.....lb. .25½- —
Iron-potash oxalate, bbls.....lb. .42 - —
kgs.....lb. .44 - —
jars.....lb. .48 - —
Iron-soda oxalate, bxs.....lb. .30 - —
fib., dms.....lb. .23½- —
kgs.....lb. .25½- —
Isobutyl carbinol (see Carbinol).
Isopentane, dms., works.....lb. .48 - —
small lots, works.....lb. .50 - —
Isopropanol (see Alcohol, Isopropyl).
Isopropyl acetate, dms., c.l., frt. pd. E. of Rocky Mts..lb. .06½- —
l.c.l., same terms.....lb. .07 - —
tanks, same terms.....lb. .05½- —
Isopropyl alcohol (see Alcohol).
Ether, dms., c.l., works, frt. alld. E. of Miss R..lb. .07 - —
l.c.l.....lb. .08 - —
tanks.....lb. .06 - —

J

Jaborandi leaves, bls.....lb. .12 - .13
Jalap root, NF, bls.....lb. .17 - .19
powd., bbls., bxs.....lb. .20 - .21
Juniper berries, bgs.....lb. .03¾- .04

K

Kamala, tins.....lb. .32 - .33
Kava kava root, bls.....lb. .15 - .16
Kerosene, at refinery:—
Bayonne, 41-43 w.w., tanks, gal. .05¾- —
Gulf ports, w.d., bulk, export, gal. .04 - —
w.w., bulk..gal. .04½- —
Louisiana - Arkansas, 41-43 w.w., bulk..gal. .04¾- .04⅝
Oklahoma-Texas, 41-43 w.w., tanks..gal. .04 - .04¾
42-44 w.w., tanks.....gal. .04⅛- .04½
Pennsylvania, 45 w.w., tanks, gal. .04⅞- —
46 w.w., tanks.....gal. .05 - —
47 w.w., tanks.....gal. .05⅛- —
Kerosene, tankwagon:—
Atlanta.....gal. .14 - —
Boston.....gal. .08½- —
Chicago.....gal. .10½- —
Cincinnati.....gal. .13 - —
Denver.....gal. .11½- —
Louisville.....gal. .10½- —
Minneapolis.....gal. .10 - —
New Orleans.....gal. .12 - —
New York.....gal. .08¾- —
San Francisco.....gal. .11½- —
Kerosene distillate (see Oil, furnace).
Kieserite, calc., 96-98% $MgSO_4$ bgs., c.l., ex vessel Atlantic, Gulf ports, duty pd..ton. No prices
Kola nuts, bgs.....lb. .07½- .08

L

Lady slipper root, bls.....lb. .55 - .60
Lanolin (see Adeps lanae).
Lard, city tubs.....100 lbs. 8.50 - 8.75
Middlewestern, trcs....100 lbs. 8.70 - 8.80
Neutral, trcs.....100 lbs. 9.25 - 9.50
Western, choice, trcs..100 lbs. 8.75 - 8.85
Compound, trcs.....100 lbs. 10.25 -10.50
Larkspur seed, bgs.....lb. .30 - .33
Laurel berries, bls.....lb. .09 - .10
Leaves, Ital., bls.....lb. .04½- .05
Lavender flowers, ordinary, bls.lb. .35 - .40
select, bls.....lb. .46 - .48
Lead acetate, white, broken, bbls..lb. .10 - —
cryst., bbls.....lb. .10 - —
gran., bbls.....lb. .10¾- —
powd., bbls.....lb. .10¾- —

Gum Copal—Lime

Lead, arsenate, bgs., dealers E. of Rockies..lb. .12½- —
W. of Rockies.....lb. .12½- —
l.c.l., bgs., dealers, E. of Rockies..lb. .13 - —
W. of Rockies.....lb. .12¾- —
Lead arsenate prices are works or whse basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse pick ups.
Blue, basic sulphate, bbls., c.l., dlvd., E...lb. .06½- —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.....lb. .06 - —
l.c.l., dlvd., E.....lb. .06 - —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.....lb. .06¼- —
Carbonate (see Lead, white).
Chloride, pure, bots., 5 lbs..lb. .62 - —
fib. dms., 25 lbs.....lb. .49 - —
Iodide, N. F., V., powd., bots., 5 lbs..lb. 2.52 - —
jars.....lb. 2.40 - —
Linoleate, pale, precip., dms., lb. .19 - —
Metal (see daily quotations in market report).
Metallic, paste, 200-lb. cont., f.o.b. works..lb. .18 - —
5-lb. cont., f.o.b. works....lb. .21 - —
Nitrate, bbls.....lb. .10 - .13
Oleate, bbls.....lb. .18½- .20
Peroxide, cns., works.....lb. .46 - .47
Red, dry, 95% or less, Pb_3O_4, bbls., c.l., (20 tons), dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .0725- —
other points.....lb. .0700- —
l.c.l., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .07¾- —
dlvd., Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.lb. .08¼- —
Colo., Mont., N. Mex., Wyo.....lb. .08 - —
other points.....lb. .07½- —
smaller lots, dlvd., Ala., etc..lb. .08¼- —
Ariz., etc.....lb. .08¾- —
Colo., etc.....lb. .08½- —
other points.....lb. .08 - —
97%, Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ala., etc..lb. .0750- —
other points.....lb. .0725- —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .08 - —
Ariz., etc.....lb. .08½- —
Colo., etc.....lb. .08¼- —
other points.....lb. .07¾- —
smaller lots dlvd., Ala., etc..lb. .08¼- —
Ariz. .....lb. .08 - —
Colo. .....lb. .08¾- —
other points.....lb. .08¼- —
96%, Pb_3O_4, bbls., c.l., (20 tons), dlvd., Ala., etc..lb. .0775- —
other points.....lb. .0750- —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .08¼- —
Ariz., etc.....lb. .08¾- —
Colo., etc.....lb. .08½- —
other points.....lb. .08 - —
smaller lots dlvd., Ala., etc..lb. .08¾- —
Ariz. .....lb. .09 - —
Colo. .....lb. .08¾- —
other points.....lb. .08¼- —
in oil, 25% min., 100-lb. kgs., lb. .11¾- —
Resinate, fused, 16%, bbls...lb. .09½- —
pale, bbls. .....lb. .11½- —
precip., bbls.....lb. .16½- —
Stearate, bbls. .....lb. .22 - .23
Sulphate (see Lead, white, basic sulphate).
Titanate, bbls., c.l., f.o.b. works, frt. alld..lb. .11 - —
l.c.l., 5 tons, one delvy, dlvd., lb. .11¼- —
smaller lots .....lb. .11½- —
White, dry, basic carbonate, bbls., c.l., dlvd. Ariz., Cal., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo..lb. .06¼- —
other points.....lb. .06¼- —
l.c.l., dlvd., Ariz., etc.lb. .06¾- —
other points.....lb. .06½- —
basic sulphate, bbls., c.l., dlvd., Ariz., etc..lb. .06 - —
other points.....lb. .05¾- —
l.c.l., dlvd., Ariz., etc...lb. .06¼- —
other points.....lb. .06 - —
in oil, 100-lb. kgs., consumers. lb. .11¼- —
dealers .....lb. .09¼- —
painters .....lb. .10¼- —
Lemon peel, bls.....lb. .09 - .10
Licorice extract, mass, cs.....lb. .17 - .18
powd., bbls.....lb. .24 - .25
Root, bls.....lb. .04½- .05
powd., bbls., bxs.....lb. .07 - .08
select, bndls., cs.....lb. .16 - .17
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b. Bellefonte, Pa. ....ton. 7.50 - —
Berkley, W. Va.....ton. 7.50 - —
California, northern..ton.11.80 - —
southern .....ton.11.45 - —
Cedar Hollow, Pa...ton. 8.00 - —
Chicago .....ton. 7.25 - —
Crab Orchard, Tenn.ton. 6.25 - —
Dallas, Texas.....ton. 8.50 - —
Durbin, Ohio.....ton. 6.50 - —
Eagle Mountain, Va.ton. 7.00 - —
Easton, La. .....ton. 8.00 - —
Farnams, Mass. ....ton. 8.00 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala. .....ton. 6.25 - —
Knoxville, Tenn. ....ton. 6.25 - —
Leroy, Minn.....ton. 8.00 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Marble Cliff, Ohio...ton. 6.50 - —
Marblehead, Ohio....ton. 7.50 - —
Martinsburg, W. Va.ton. 7.50 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 6.50 - —
Newals, Ala.....ton. 6.25 - —
Petoskey, Mich.....ton. 8.00 - —
Port Island, Mich....ton. 7.50 - —
Ripplemead, Va. ....ton. 7.00 - —
Riverton, Va. .....ton. 7.00 - —
Scioto, Ohio.....ton. 6.00 - —
Sheboygan, Wis.....ton. 7.00 - —
Sherwood, Wis.....ton. 7.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
hydrated, paper bags, f.o.b. Bellefonte, Pa. .....ton. 9.00 - —
Berkley, W. Va.....ton. 9.00 - —
Buffalo .....ton.10.00 - —

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Lime—Manganese

Lime, hydrated, paper bgs., f.o.b.
California, northern.ton.15.30 - —
southern .....ton.13.95 - —
Cedar Hollow, Pa...ton. 8.50 - —
Chicago .....ton. 9.50 - —
Crab Orchard, Tenn.ton. 9.00 - —
Dallas, Tex.....ton.12.00 - —
Durbin, Ohio.....ton. 8.00 - —
Eagle Mountain, Va.ton. 9.00 - —
Easton, La. .....ton.10.00 - —
Farnams, Mass. ....ton. 9.50 - —
Gibsonburg, Ohio....ton. 8.50 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn.....ton. 9.00 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.00 - —
Louisville, Ky.....ton.14.50 - —
Marble Cliff, Ohio...ton. 8.00 - —
Marblehead, Ohio....ton. 8.50 - —
Martinsburg, W. Va.ton. 9.00 - —
Milltown, Ind.....ton.12.50 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Pelham, Ala.....ton. 9.00 - —
Petoskey, Mich.....ton. 9.00 - —
Port Island, Mich....ton. 9.00 - —
Rapid City, S. D....ton.12.00 - —
Ripplemead, Va. ....ton. 9.00 - —
Riverton, Va.....ton. 9.00 - —
Scioto, Ohio.....ton. 8.00 - —
Sherwood, Wis. .....ton. 9.00 - —
Siluria, Ala.....ton. 9.00 - —
Springfield, Mo. .....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
spray, paper bgs., f.o.b., Bellefonte, Pa.....ton. 9.00 - —
Durbin, Ohio .....ton. 9.00 - —
Farnams, Mass.....ton. 9.00 - —
Gibsonberg, Ohio.....ton.11.00 - —
Marble Cliff, Ohio....ton.11.00 - —
Marblehead, Ohio....ton.11.00 - —

Lime, spray, paper bgs., f.o.b.
Mitchell, Ind. .....ton. 9.00 - —
Scioto, Ohio .....ton. 9.00 - —
Sherwood, Wis. .....ton. 9.00 - —
Woodville, Ohio.....ton.11.00 - —

Lime salts (see Calcium)

Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kan., Okla., Tex..lb. .07½- .08½
dms., same basis.....lb. .10½- —
400 lbs., or more, bgs., same basis..lb. .07¾- .08¾
dms., same basis.....lb. .11 - —
less than 400 lbs., same basis, lb. .08½- .09½
dms., same basis.....lb. .12 - —
solution, zone 1, dms., consumer, gal. .16 - —
Zone 2, tanks, dealers, wks., gal. .08½- —
30-50 dms.....gal. .11 - .15
Zone 3, tanks, dealers, divd., gal. .11¼- —
30-50 dms.....gal. .14 - .18
Zone 4, tanks, dealers, wks., gal. .08 - —
dms., c.l. and l.c.l....gal. .13 - .14
Zone 5, tanks, dealers, divd., gal. .10½- —
c.l. and l.c.l.....gal. .13 - .14
Zone 6, tanks, dealers....gal. .07¼- —
30-50 dms.....gal. .09 - .13

Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1 includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. River. Zone 2: New England States. Zone 3: Ark., Ohio, Ind., Ill., Ia., Ky., Mich., Wis., Minn., Mo., and Tenn., west of Tenn. River; Penna., eastern tier, and W. Va., western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N. Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes, and Rockingham.

Linalool, cns.....lb. 2.10 - 6.30
Linalyl acetate, cns., 25 lbs...lb. 1.35 - 2.25
Linden flowers, with leaves, bls.lb. .19 - .20
without leaves, bls.....lb. .16 - .17
Linseed cake, bgs., export....ton.31.00 - —
Meal, 32%, dom., bgs.....ton.41.50 - —
Litharge, com'l, powd., bbls., 20-tons divd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .0625- —
divd., other points...lb. .0600- —
5 tons, divd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash.....lb. .06¾- —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash..lb. .07¼- —
Colo., Mont., N. Mex., Wyo..lb. .07 - —
other points.....lb. .06½- —
smaller lots, divd. Ala., etc. lb. .07¼- —
Ariz., etc. .....lb. .07¾- —
Colo., etc. .....lb. .07½- —
other points .....lb. .07 - —
Lithium bromide, bbls., 100 lbs., works, frt. equal'd..lb. 1.90 - —
50 lbs., works.....lb. 1.93 - —
25 lbs., works.....lb. 1.95 - —

Lithium, carbonate, 250-lb., bbls. lb. 1.25 - —
100-lb. kgs.....lb. 1.30 - —
Chloride, 25-lb. jars.....lb. 1.65 - 1.70
Citrate, 250-lb. bbls.....lb. 1.40 - —
25-lb. dms.....lb. 1.45 - —
100-lb. kgs.....lb. 1.40 - —
Iodide, 5-lb. bots.....lb. 4.85 - —
25-lb. jars.....lb. 4.70 - —
Fluoride, bbls. .....lb. 2.10 - 2.25
Lithopone, dom., high-strength, bgs., 20 tons, dlvd. E or ex whse. Pac Cst.....lb. .05⅞- —
smaller lots, same basis.lb. .06⅛- —
bbls., 20 tons, same basis, lb. .06⅛- —
smaller lots, same basis.lb. .06⅜- —
ordinary, bgs., 20 tons, same basis..lb. .04⅝- —
smaller lots, same basis.lb. .04⅞- —
bbls., 20 tons, same basis, lb. .04⅝- —
smaller lots, same basis.lb. .04⅞- —
titanated, bgs., 20 tons, same basis..lb. .05⅞- —
smaller lots, same basis.lb. .06⅛- —
bbls., 20 tons, same basis, lb. .06⅛- —
smaller lots, same basis.lb. .06⅜- —
Liverwort leaves, bls.....lb. .18 - .19
Lobelia herb, bls.....lb. .13 - .14
Seed, bgs. .....lb. .35 - .36
Logwood extract, cryst., bbls..lb. .18 - .24
liquid, 51°, bbls.....lb. .06½- .11½
solid, bxs. .....lb. .15 - .19
Lovage root, dom., bls.....lb. .55 - .65
import, bls. .....lb. .35 - .37
Lupulin, N.E., tins.....lb. 1.50 - 1.75
Lycopodium, cs. .....lb. 1.05 - 1.10

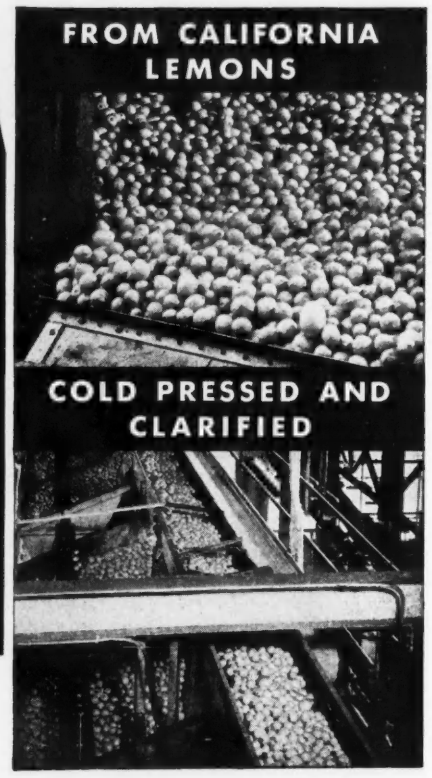
M

Mace, Banda, cs.....lb. .54 - .54½
Batavia, cs. .....lb. .46½- .47
Siauw, 1, cs.....lb. .51 - .52
Madder, Dutch, bbls.....lb. .22 - .25
Magnesia arsenate, cyl.....lb. .18 - .20
Calcined, light, tech., bbls., same basis, 1,000 to 5,000 lbs. lb. .23 - —
200 to 1,000 lbs....lb. .24 - —
single bbls., cs., or carton..lb. .25 - —
1-lb. tins, same basis, 1,000 to 5,000 lbs..lb. .45 - —
200 to 1,000 lbs.....lb. .46 - —
single tin .....lb. .47 - —
USP, bbls., same basis, 1,000 to 5,000 lbs..lb. .24 - —
200 to 1,000 lbs....lb. .25 - —
single bbl., cs., or carton..lb. .48 - —
Special light, USP, bbls., same basis, 1,000 to 5,000 lbs. lb. .26 - —
200 to 1,000 lbs.....lb. .27 - —
single bbl., cs., or carton..lb. .28 - —
Heavy, tech., bbls., same basis, 1,000 to 5,000 lbs. lb. .29 - —
200 to 1,000 lbs....lb. .30 - —
single bbl., cs., or carton..lb. .31 - —
1-lb. pkgs., same basis, 1,000 to 5,000 lbs...lb. .50 - —
200 to 1,000 lbs.....lb. .51 - —
single pkg. .....lb. .52 - —
USP, bbls, same basis, 1,000 to 5,000 lbs..lb. .30 - —
200 to 1,000 lbs....lb. .31 - —
single bbl., cs., or carton..lb. .32 - —
1-lb. pkgs., same basis, 1,000 to 5,000 lbs..lb. .51 - —
200 to 1,000 lbs.....lb. .52 - —
single pkg. .....lb. .53 - —
Carbonate, tech., Zone 1, bgs., c.l...lb. .06¼- —
l.c.l. .....lb. .07 - —
bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08 - —
kgs., c.l.....lb. .08¾- —
l.c.l. .....lb. .09½- —
USP, Zone 1, bbls., c.l.....lb. .08¼- —
l.c.l. .....lb. .09 - —
kgs., c.l.....lb. .09¾- —
l.c.l. .....lb. .10½- —

Magnesia zones:—Zone 1—Mass., Conn., R. I., N. Y., N. J., Pa., Del., and Md. C.l. shipm'ts, full fr't alld. up to, but not exceeding 25c. per 100 lbs., actually paid by customers. On l.c.l. shipm'ts, frt. alld. including dlvd. store-door. Magnesia prices are f.o.b., Plymouth meeting house, frt. alld. on c.l. shipts. into Zone 1, and apply to quantities taken in one ship't.

Chloride, flake, dom., bbls., works..ton.39.00 -42.00
Hypophosphite, cns., 100 lbs.lb. 1.45 - —
25 lbs. .....lb. 1.50 - —
Oxide (see Calcined).
Palmitate, bbls .....lb. .33 Nom.
Peroxide, 15%, dms., works.lb. 1.00 - 1.95
Silicate (see Talc).
Silicofluoride, bbls.....lb. .09½- .10½
Stearate, bbls., ctns., c.l.....lb. .21 - —
c.l...lb. .21 - —
1 ton .....lb. .22 - —
1,000-2,000 lbs. .....lb. .23 - —
smaller lots .....lb. .24 - —
Sulphate (see Epsom salt).
Magnesite, cal., dom., bgs....ton.56.00 -60.00
Magnesite, cal., import, bbls.ton.60.00 -65.00
dead-burned, dom., bulk, c.l., f.o.b, Chewelah, Wash....ton.25.00 - —
Magnesium hydroxide, medicinal, bbls., 200 lbs..lb. .29 - —
dms., 25 lbs.....lb. .34 - —
kgs., 100 lbs. .....lb. .30 - —
Trisilicate, cs., 500-lb. lots..lb. .53 - —
100-lb. lots .....lb. .55 - —
cns., ...lb. .75 - .80
Malva flowers, black, bls.....lb. .45 - .47
blue, bls. .....lb. .45 - .50
Leaves, bls. .....lb. .11 - .12
Manaca, root, bls. .....lb. .20 - .21
Mandrake root, bls .....lb. .17 - .18
Manganese acetate, dms.....lb. .26½- —
Arsenate, bgs. .....lb. .12 - .12½
Borate, tech., bbls.....lb. .15 - .16
Carbonate, bbls. .....lb. .19 - —
Chloride, bbls. .....lb. .07½- .07¾
Dioxide, Caucasian, 85-90%, bbls., c.l., works..ton.61.50 - —
l.c.l., 5 tons, works..ton.64.50 - —
smaller lots, works..ton.69.50 - —
burlap bgs., c.l., works.ton.59.50 - —
l.c.l., 5 tons, works..ton.62.50 - —
smaller lots, works.ton.67.50 - —
paper bgs., c.l., works.ton.57.50 - —
l.c.l., 5 tons, works.ton.60.50 - —
84-87% bgs., 28-40 tons, wks. ton.57.00 - —
5-15 tons, wks.....ton.60.00 - —
1-4 tons, wks.....ton.65.00 - —
300-600 lbs., wks....ton.75.00 - —
Glycerophosphate, bbls., kgs., 1,000-lb. lots ....lb. 2.01 - —
smaller lots .....lb. 2.71 - —
cns., 25 lbs. .....lb. 2.83 - —
solut., djns., 1,000-lb. lots, lb. .61 - —
smaller lots .....lb. .71 - —
cns., 25 lbs. .....lb. .81 - —
Hydrate, bbls., dlvd.....lb. .82 - —
Iodide, bots., 5 lbs.....lb. 5.25 - —
jars, 25 lbs. .....lb. 5.10 - —
Linoleate, liquid, 4%, dms...lb. .18 - .19½
solid, precip., 8.2%, bbls..lb. .19 - —

A U.S.P. OIL FOR THE AMERICAN TASTE



No wonder it's MORE THAN TWICE AS POPULAR AS ALL OTHER LEMON OILS COMBINED

HIGH quality and right price have made Exchange Brand Oil of Lemon, U. S. P., the unquestioned leader in the United States.

It is made in the world's largest plant devoted exclusively to lemon products. Nowhere else are there the facilities to keep production quality so uniform. Nowhere else has the American taste been so successfully met.

Be sure to specify it by name: Exchange Brand Oil of Lemon, U.S.P. (Clarified).

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Distributors for

CALIFORNIA FRUIT GROWERS EXCHANGE

Products Department, Ontario, California

Producing Plant: EXCHANGE LEMON PRODUCTS COMPANY Corona, California

Copr., 1938, California Fruit Growers Exchange, Products Dept.

Exchange BRAND OIL OF LEMON U.S.P.

Manganese, ore, 50-52% basis, bbls., c.l., Atl. ports.. unit-ton. .45 - .47
Resinate, fused, 3½%, bbls.lb. .08¼- .08½
precip., dms. .....lb. .12 - —
Sulphate, anhyd., bbls., works. lb. .07 - .07½
cryst., 65% $MnSO_4$, bgs., c.l., dlvd. South..ton.48.75 - —
l.c.l., bgs. .....ton.53.75 - —
80-85%, bgs., c.l., works, frt. alld. to S.F.A. territory unit-ton. .75 - —
l.c.l., 5 tons, works...lb. .03½- —
smaller lots, works..lb. .04 - —
Mangrove bark, bgs., shipt..ton.25.00 - —
Manna flake, large, cs.....lb. .40 - .41
small, cs .....lb. .22 - .23
Mannitol, pure, cryst., cs., works. lb. 1.40 - —
Marble flour, bgs.....ton.12.00 -14.00
Marjoram, French, bbls.....lb. .16 - .16½
Tunisan, bls. .....lb. .15½- .16
Matico leaves, bls.....lb. .24 - .25
Menthol, USP, natural, cs....lb. 2.95 - 3.00
synthetic, tech., cs.....lb. 2.25 - —
USP, cs. .....lb. 3.00 - —
liquid, dms., 50 lbs.....lb. 1.25 - —
Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb. lots .....lb. 3.10 - —
Mercurial ointment, 30%, pails, 50 lbs. .....lb. .77 - —
25 lbs. .....lb. .79 - —
50%, pails, 50 lbs.....lb. 1.11 - —
25 lbs. .....lb. 1.13 - —
Mercury (see Quicksilver).
Bichloride (see Corrosive sublimate).
Bisulphate, bots., 5 lbs.....lb. 1.81 - —
fib., dms., 100 lbs.....lb. 1.68 - —
jars, 25 lbs.....lb. 1.70 - —
Chloride (see Calomel).
Iodide, red, N. F., bots., 5 lbs. lb. 3.56 - —
cns., 25 lbs.....lb. 3.45 - —
fib., dms., 100 lbs.....lb. 3.45 - —
yellow, bots., 5 lbs.....lb. 3.66 - —
cns., 25 lbs.....lb. 3.55 - —
fib., dms., 100 lbs.....lb. 3.55 - —
Nitrate ointment (see Citrine ointment).
Oxide red, N.F. (see Red precipitate).
tech. (See Red, mercury oxide).
Yellow, dom., tech., bbl....lb. 1.21 - —
USP, fib. dms., 50 lbs. or more..lb. 1.73 - —
Mercury and chalk, ctns., 5 lbs., lb. 1.22 - —
fib., dms., 25 lbs.....lb. 1.10 - 1.12
Mesityl oxide, cns., works.....lb. .25½- .27½
dms., c.l., works.....lb. .21 - —
l.c.l., works.....lb. .21½- —
tanks, works.....lb. .20 - —
Metal leaf, pkgs. of 20 books (500 leaves), aluminum, 5½x5½ in..pkg. 1.50 - 1.75
composition, 5½x5½in...pkg. 1.70 - 1.80
Gold, XX deep, 23K, 3⅜x3⅜ in..pkg.15.25 -15.75
3⅜x3⅜ in. .....pkg.16.15 -17.50
4x4 in. .....pkg.19.50 -20.00
3⅜x5⅞ in. .....pkg.22.50 -23.00
3⅞x5⅞ in.....pkg.24.50 -25.00
Silver, 3⅜x3⅜ in.....pkg. 2.75 - 2.85
Metanitroanilin, kgs.....lb. .67 Nom.
Metanitroparatoluidin, bbls....lb. 1.45 - —
Metaphenylenediamine, kgs....lb. .80 - —
Metatoluylenediamine, kgs.....lb. .65 - —
Methanol, denat. grade, dms., c.l., frt. alld., E. of Rockies..gal. .31 - —
tanks, frt. alld., E. of Rockies..gal. .25 - —
Methanol, denat. grade, prices on Pacific Coast are 4c. per gal. higher.
pure, nat'l or synth., dms., c.l.
Zone 1, frt. all..gal. .38 - —
2, frt. alld. .....gal. .41 - —
3, frt. alld. .....gal. .42 - —
4, frt. alld. .....gal. .44 - —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .40½- —
2, frt. alld. or dlvd..gal. .47 - —
3, frt. alld. or dlvd..gal. .44½- —
4, frt. alld. or dlvd..gal. .60 - —
tanks, Zone 1, frt. alld.gal. .33 - —
2, frt. alld. .....gal. .35½- —
3, frt. alld. .....gal. .36½- —
4, frt. alld. .....gal. .37 - —
95%, 2c. less than pure, all zones, frt. alld.
97%, 1c. less than pure, all zones, frt alld.
Methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal., San Francisco, Cal., Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.
Methyl acetate, 97-99%, dms., c.l., E. of Miss. R..lb. .08 - —
W. of Miss. R.....lb. .09 - —
l.c.l., dms., dlvd. E. of Miss. R..lb. .08¼- —
W. of Miss. R.....lb. .09¼- —
tanks, dlvd. E. of Miss. R. lb. .07 - —
W. of Miss. R.....lb. .08 - —
tech, dms., c.l., dlvd. E. of Miss. R..lb. .07½- —
W. of Miss. R.....lb. .08½- —
l.c.l., dms., dlvd. E. of Miss. R..lb. .08 - —
W. of Miss. R.....lb. .09 - —
tanks, dlvd. E. of Miss. R. lb. .06½- —
W. of Miss. R.....lb. .07½- —
Acetoacetate, dms., c.l., works, frt. alld..lb. .29½- —
Methyl acetone, nat., dms., c.l., contracts, Zone 1..gal. .30 - —
2 .....gal. .33 - —
3 .....gal. .34 - —
4 .....gal. .36 - —
tanks, contracts, Zone 1.gal. .25 - —
2 .....gal. .27½- —
3 .....gal. .28½- —
4 .....gal. .29 - —
Methyl acetone, natural, prices are quoted for direct shipment from refinery, f.o.b. shipping point, freight allowed to destination; barrel packing, 2½c. per gal. more in all brackets, The sale zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wis., Ala., Ark., Ga., Kans., La., Miss., Neb., N. D., S. C., S. D.; Zone 2, Col., Fla., Okla., Tex., Wyo.; Zone 3, Los Angeles, Cal., San Francisco, Cal; Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.
Acetone, synthetic, dms., c.l., Zone 1, frt. alld. E. of Rockies..gal. .42 - —
2, frt. alld. E. of Rockies, gal. .45 - —
3, Pacific Coast.....gal. .46 - —
l.c.l., Zone 1, frt. alld, E. of Rockies..gal. .44½- —
2, frt., alld. E. of Rockies..gal. .51 - —
3, Pacific Coast.....gal. .48½- —
tanks, Zone 1, frt. alld. E. of Rockies.....gal. .36 - —
2, ft. alld. E. of Rockies, gal. .38½- —
3, Pacific Coast.....gal. .39½- —

Methyl acetone, synthetic, sales zones are:—Zone 1, Conn., Dela., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., West Va. and Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C. and S. D.; Zone 3, Pacific

Methyl alcohol, (see Methanol).
Anthranilate, bots. .....lb. 2.10 - 2.30
Benzoate, cns., 25 lbs.....lb. .70 - 1.20
Bromide, cyl.....lb. .60 - .70
Chloride, refrigeration, 500 lbs. and up, machine mfrs. and jobbers, cylinders.lb. .32 - —
service men and consumers, cyl..lb. .36 - —
60 to 499 lbs., cyl. mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, cyl..lb. .40 - —
tanks, multi-unit, mach. mfrs. and jobbers..lb. .31 - —
service men and consumers, lb. .35 - —
Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 130-lb. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices.
Cinnamate, bls. .....lb. 2.45 - 3.75
Formate, dms.....lb. .35 - .36
Iodide, bots.....lb. 3.68 - 3.83
Salicylate, dms.....lb. .40 - .45
cns. .....lb. .42 - .46
Violet toner, bbls.....lb. .38 - —
permanent, bbls. .....lb. .80 - —
Methylbutyl ketone, dms., c.l., frt. pd. E. of Rocky Mts.lb. .11¼- —
l.c.l., same terms.....lb. .12 - —
tanks, same terms.....lb. .10½- —
Methylene blue, medcl., kgs., 100 lbs..lb. 2.00 - —
cns., 5 lbs. .....lb. 2.35 - —
Chloride, dms., f.o.b. works.lb. .18 - .22
Methylheptenone, bots. .....lb. 2.45 - 3.00
Methylheptin carbonate, bots..lb.23.00 -44.00
Methylhexyl ketone, dms., tech., wks..lb. .60 - —
Methylisobutyl ketone, dms., 55-gal., c.l., works..gal. .76 - —
l.c.l., works.....gal. .80 - —
smaller containers, works.gal. 1.00 - —
tanks, works.....gal. .70 - —
Methylnaphtyl ketone, dom., cryst., bots..lb. 3.25 - 3.50
imp, bots. .....lb. 3.10 - —
Methylpropyl carbinol (see Carbinol).
Ketone, dms., c.l.....lb. .16 - —
l.c.l. .....lb. .20 - —
tanks .....lb. .15 - —
Metronite pigment, 120 mesh, containers, extra, c.l., f.o.b. Milwaukee..ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
180 mesh, containers extra, c.l., same basis..ton.11.00 - —
l.c.l., same basis.....ton.13.00 - —
250 mesh, containers, extra, c.l., same basis..ton.18.00 - —
l.c.l., same basis.....ton.15.00 - —
Metronite pigments, 325 mesh, containers extra, c.l., same basis.....ton.18.00 - —
l.c.l., same basis.....ton.20.00 - —
Mica, dry-grd., amber, 160 mesh, No. 1 quality, bgs., extra and returnable, c.l., works..ton.30.00 - —
l.c.l., 5,000 lbs., works, ton.40.00 - —
1,000 lbs., works....lb. .02 - —
500 lbs., works....lb. .02½- —
100 lbs., works....lb. .03 - —
roofing, bgs., extra and returnable, c.l., works..ton.29.00 - —
l.c.l., 5,000 lbs., works, ton.39.00 - —
white, 160 mesh, No. 1 quality, bgs., extra and returnable, c.l., works..ton.35.00 - —
l.c.l., 5,000 lbs., works ton.45.00 - —
1,000 lbs., works..lb. .02½- —
500 lbs., works....lb. .03 - —
100 lbs., works....lb. .03½- —
wet-ground, paint or lacquer, bgs., c.l., dlvd. E..lb. .04¼- —
l.c.l., 1,000 lbs., dlvd. E..lb. .04¾- —
smaller lots, dlvd. E..lb. .05¼- —
paper, wall or coated bgs., c.l., frt. alld., E..lb. .04½- —
l.c.l., 1,000 lbs., frt. alld., E..lb. .04¾- —
smaller lots, frt. alld., E..lb. .05½- —
rubber, bgs., c.l., frt. alld. E. lb. .04 - —
l.c.l., 1,000 lbs., frt. alld., E..lb. .04¼- —
smaller lots, frt. alld., E..lb. .05 - —
wet-ground mica prices are ½c. per pound higher on Pacific Coast.
Milk powder, skimmed, roller, bbls., c.l..lb. .08 - —
l.c.l. .....lb. .09 - —
spray, bbls., c.l.....lb. .09 - —
l.c.l. .....lb. .10 - —
unskimmed, roller, bbls., c.l., lb. .20 - —
l.c.l. .....lb. .20½- —
spray, bbls., c.l.....lb. .20 - —
l.c.l. .....lb. .20½- —
Millet seed, yellow, bgs.....lb. .0285- .0305
hulled, bgs. .....lb. .05½- .06
Mineral spirits (see Petroleum thinner and V M & P, naphtha).
Molasses, blackstrap, tanks..gal. .06½- —
New Orleans.....gal. .06 - —
Molybdate orange (see Orange, molybdate).
Molybdenum metal, kgs., 99% powd..lb. 2.60 - 3.00
Monoamylamine, dms., c.l., wks., lb. .52 - —
l.c.l., works .....lb. .55 - —
Monobutylamine dms., l.c.l., works..lb. .65 - —
Monochlorobenzene, dms. ....lb. .06 - .06½
Monoethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., dms. .....lb. .25 - —
tanks .....lb. .23 - —
Monoethylanilin, dms. .....lb. .77 Nom.
Monomethylpara-aminophenol sulphate, dms..lb. 3.75 - 4.00
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Ethylhydrochloride, bots. 5 ozs., oz.10.75 - —
cns., 25 ozs.....oz.10.55 - —
Hydrobromide, bots., 5 ozs..oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., 55 gal., l.c.l., works..lb. .75 - —
smaller containers, works....lb. 1.00 - —
Mullein flowers, cns.....lb. .80 - .85
Leaves, bls.....lb. .07 - .08
Musk, nat., Tonquin, grained, bots..oz.21.00 -22.00
pods, caddies, 20 ozs.....oz.19.00 -21.00
Musk, synth., ambrette, cns., 100 lbs. or more..lb. 3.25 - —
5 lbs. to 75 lbs.....lb. 3.50 - —
1 lb.....lb. 3.65 - —
ketone, cns., 100 lbs. or more, lb. 3.40 - —
5 lbs. to 75 lbs.....lb. 3.65 - —
1 lb.....lb. 3.80 - —
xylol, cns., 100 lbs. or more..lb. 1.00 - —
5 lbs. to 75 lbs.....lb. 1.10 - —
1 lb.....lb. 1.25 - —
Musk root, bls.....lb. .12 - .13
Mustard seed, Bombay, brown, bgs..lb. .05¼- .05¾
California, brown, bgs.....lb. .07 - .07½
yellow, bgs.....lb. No stocks.
Chinese, yellow, bgs.....lb. .05¾- .06½
Danish, yellow, bgs.....lb. .07¾- .08½
Dutch, yellow, bgs.....lb. .07¾- .08
English, yellow, bgs.....lb. .08½- .09
Hungarian, yellow, bgs....lb. .07¾- .08¼
Roumanian, yellow, bgs....lb. .05¾- .06
Myrobalans, J1, bgs., shipt...ton.28.50 - —
J2, bgs., shipt.....ton.20.50 - —
R2, bgs., shipt.....ton.20.50 - —
Extract, liquid, 25%, bbls....lb. .03¾- .05¼
solid, 50% bbls.....lb. .04¾- —
powdered, 70% bbls.....lb. .05¾- —

N

Naphtha, Painters' (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, crude, dom., 74 deg., bgs., bbls., wks., 100 lbs. 2.35 - 2.85
——78 deb., bgs., bbls., wks., 100 lbs. 2.75 - 3.35
import, bgs., Atl. ports, 100 lbs. 1.75 - 2.15
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works.....lb. .06¾- —
50-lb. cs., same basis..lb. .07 - —
pkgs. (16 oz.), same basis, lb. .07½- —
(12 oz.) same basis..pkg. .06 - —
chipped, crushed, bbls., same basis..lb. .06½- —
rice, cryst., powd., bbls., same basis..lb. .06¾- —
Nerolin, cryst., cns.....lb. 1.25 - 1.35
Nickel carbonate, bbls .....lb. .36 - .37½
Chloride, bbls. .....lb. .18 - .20
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls. .....lb. .13 - .13½
Nicotine sulphate, 40%, dms., works, frt. alld.lb. .70 - —
10-lb, tins .....lb. .86½- —
Nitrobenzene, dbl. dist., dms., c.l..lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07¼- —
Nitrocellulose, alcohol-soluble, ¼, and 40, sec. vis., bbls., works..lb. .28 - —
bronzing, 20, 40, 70 sec. vis., bbls., works..lb. .29 - —
ester-soluble, ¼, ½, 5-6, 15-20 sec., bbls., c.l., dry weight, works..lb. .22 - —
Nitrocellulose, ester-soluble, bbls., l.c.l., ¼, ½, 5-6, 15-20 and higher vis., bbls., lb. .26 - —
lacquer, 20-30 and 60-80 sec. vis., bbls., works..lb. .29 - —
Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.
Nitrogen solution, 45½% ammon., tanks, f.o.b. Atlantic and Gulf ports..unit-ton. 1.04 - —
Nitrogenous fertilizer material, 6-11% ammon. form., bulk, f.o.b. Carrollville, Wis., dlvd. .....unit-ton. 2.10 - 2.20
Chemical, Ill.....unit-ton. 2.00 Nom.
East Coast producing points..unit-ton. 2.60 Nom.
import, bgs., c.i.f. Atlantic ports, shipt..unit-ton. 2.35 - 2.40
Nitronaphthalene, bbls.....lb. .24 - .25
Nitrotoluene, mixed, dms.....lb. .10½- .11
Nutgalls, Aleppo, bgs., cs.....lb. No prices
Chinese, shipt., cs.....lb. No prices
Extract (see Gall extract).
Nutmegs, 80s, bgs, cs.....lb. .49 - .50
110s, bgs, cs.....lb. .19 - .19½
West Indian, bgs.....lb. .10¾- .11
Nux vomica, bls.....lb. .03¾- .04
powd., bbls., bxs.....lb. .06 - .07

O

Oakbark extract, 25% tan., bbls., c.l., works..lb. .03½- —
l.c.l., bbls., works.....lb. .03¾- —
Ocher (see Yellow).
Octanes, 100-140° C., mixed, dms., c.l., G.3..gal. .12½- —
l.c.l., G.3.....gal. .17 - —
tanks, G.3.....gal. .10½- —
Octyl acetate, dms., c.l.,works.lb. .16 - —
l.c.l., works.....lb. .17 - —
tanks, works.....lb. .15 - —
Oil, almond, bitter, artif. (see Benzaldehyde).
natural, bots.....lb. 2.00 - 2.50
s.p.a., bots.....lb. 2.05 - 2.75
sweet, true, exp., cns.....lb. .65 - .68
Amber, crude, cns.....lb. .16 - .17
ref'd, cns.....lb. .50 - .51
Amyris, cns.....lb. 3.00 - 3.25
Angelica root, bots.....lb.61.25 -100.00
seed, bots.....lb.70.00 -80.00
Anilin (see A).
Anise, USP, cns., dms.....lb. .80 - .90
Apricot kernel, cns.....lb. .28 - .32
Babassu, tanks.....lb. .06⅝ Nom.
Bay, W. I., cns.....lb. 1.35 - 1.50
Bergamot, artif., cns.....lb. 1.25 - 1.30
natural, coppers .....lb. 3.85 - 4.00
Betula (see Oil, sweet birch).
Birch (see Oil, sweet birch).
Birch tar, crude, dms.....lb. .14 - .17
rectif'd, cns.....lb. .65 - .70
Bois de rose, Brazil, cns....lb. 1.65 - 1.60
Cayenne, cns.....lb. 1.50 - 1.75
Cade, USP IX (see Oil, juniper tar).
Cajeput, tech., dms.....lb. .47 - .55
USP IX, cns. .....lb. .50 - .66
Calamus, cns.....lb. 3.75 - 4.00
Camphor, sassafrassy, cns....lb. .19 - .20
dms. .....lb. .17 - .18
white, cns.....lb. .20 - .21
dms. .....lb. .17 - .18
Cananga, native, cns.....lb. 1.40 - 1.45
rectified, cns.....lb. 2.00 - 2.05
Capsicum (oleoresin), USP X, cns..lb. 1.90 - 2.00
Caraway, USP, cns.....lb. 1.90 - 2.00
Cardamom, bots. .....lb.15.00 -33.00
Cassia, USP, cns. dms.....lb. 1.00 - 1.05
Castor, blown, one-way dms., c.l..lb. .11¼- —
l.c.l. .....lb. .12 - —
medicinal, bbls., c.l.....lb. .09¾- —
l.c.l. .....lb. .10¼- —
cns. (1-gal.), l.c.l.....lb. .13¼- —
dms. (returnable), c.l....lb. .09¼- —
l.c.l. .....lb. .10¼- —
(5-gal.), l.c.l.....lb. .11¼- —
tanks .....lb. .09 - —

Manganese—Oil, Lub.

Oil, castor, No. 3, bbls., c.l....lb. .09¼- —
l.c.l. .....lb. .10 - —
dms. (returnable), c.l....lb. .09 - —
l.c.l. .....lb. .09¾- —
tanks .....lb. .08½- —
Castor oil, med. and No. 3, prices are dlvd. all points between N. Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ⅝c. higher than N. Y.; l.c.l. prices ¾c. higher than N. Y.; one-way dms., ¼c. higher, all points.
sulphonated, 50%, (48% fat), dms., c.l..lb. .06¾- .08¾
l.c.l. .....lb. .07¼- .09¾
75% (63% fat), dms., c.l..lb. .09 - .09½
l.c.l. .....lb. .10 - .10½
80% (68% fat), dms., c.l..lb. .09½- .10½
l.c.l. .....lb. .10¼- .11
Cedarleaf, cns.....lb. .75 - .80
dms. .....lb. .72 - .77
Cedarwood, Oregon, cns., dms., lb. .28 - .30
Southern, cns., dms.....lb. .20 - .23
Celery, bots.....lb. 8.75 -14.50
Chaulmoogra, USP, cns., 500 lbs. lb. .90 - —
25 lbs.....lb. 1.00 - —
Chinawood, dms.....lb. .1060- .1075
tanks .....lb. .1000- .1020
Cinnamon, Ceylon, bots.....lb. 8.00 -22.00
Seychelle, bots. .....lb. 6.50 - 7.50
Citronella, Ceylon, cns.....lb. .35 - .35½
dms. .....lb. .33½- .34
Java, dms.....lb. .38 - .40
Clove, makers, USP, cns....lb. 1.02 - —
dms. .....lb. 1.00 - —
Coconut, Manila, crude, tanks.lb. .03⅜- —
Pac. Cst. .....lb. .03½- —
edible, 76°, tax incl., dms., (returnable), c.l..lb. .09¼- —
l.c.l. .....lb. .09½- —
tanks .....lb. .08½- —
Cod, Newfoundland, tanked, bbls..gal. .50 Nom.
Norwegian, shipt., bbls...gal. .27 - .29
Codliver, med., U.S.P., Norwegian, bbls..bbl.26.00 -27.00
Coriander, bots.....lb.15.00 -19.75
Corn, crude, tanks, works....lb. .07 - .07½
refd., bbls.....lb. .09½- .09¾
Cottonseed, dom., cooking, bbls., lb. .09½- —
salad, bbls.....lb. .09¾- —
Import., Brazilian, semi-refd., dms...lb. .0440- —
British, semi-refd. dms...lb. .0465- —
Creosote (see C).
Croton, USP, cns.....lb. 1.30 - 1.35
Cubeb, USP, cns.....lb. 2.90 - 3.00
Crude (see Petroleum, crude).
Cumin, bots.....lb. 6.75 - 7.00
Cypress, dom., bots.....lb. 5.25 - 5.30
import., cns.....lb.12.00 -12.25
Degras (see D).
Diesel, Bayonne, bulk.....bbl. 1.75 - —
California, 24 plus, bulk..bbl. 1.55 - —
Dill seed, bots.....lb. 3.00 - 3.25
weed, bots.....lb. 3.85 - 4.10
Dip (see D).
Erigeron, cns. .....lb. 2.30 - 2.40
Eucalyptus, cns. .....lb. .41 - .43
dms. .....lb. .39 - .41
Fennel, sweet, cns.....lb. 1.20 - 1.30
Fuel, bunker, California, tide-water..bbl. .90 - —
Gulf Coast.....bbl. .85 - .90
Louisiana, Arkansas, 10-14, bbl. .88 - 1.00
N.Y. and N.J. terminals:—
Monday .....bbl. 1.05 - —
Tuesday .....bbl. 1.05 - —
Wednesday .....bbl. 1.05 - —
Thursday .....bbl. 1.05 - —
Friday .....bbl. 1.05 - —
Saturday .....bbl. 1.05 - —
North Texas, 18-22.....bbl. .80 - .85
24-28, zero cold test.....bbl. 1.10 - 1.15
Oklahoma, 18-22.....bbl. .85 - .90
24-28, zero cold test.....bbl. 1.07½- 1.12½
24-28, 15 and above.....bbl. .90 - .95
Pennsylvania, 36-40.....gal. .04 - .04¼
Furnace, Bayonne, 1, bulk, refinery..gal. .06 - —
2, bulk, same basis.....gal. .04½- —
4, bulk, same basis.....gal. .04⅝- —
Louisiana - Arkansas, 32 - 36, light straw..gal. .03⅝- .04
Oklahoma, 28-30.....gal. .03½- .03¾
32-36 .....gal. .03½- .03⅝
36-38 .....gal. .03⅝- .03¾
38-40, straw.....gal. .03⅝- .04
38-40 zero, 60 e.p.....gal. .03¾- .04
Fusel (see F).
Gas, Bayonne, bulk.....gal. .04⅜- —
Gulf Coast, bulk.....gal. .04¼- .04¼
North Texas, bulk.....gal. .02⅝- .03
Oklahoma, bulk.....gal. .02¾- .03
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, rose, cns.lb. 3.25 - 4.50
Bourbon, cns.....lb. 2.65 - 3.00
Turkish (see Palmarosa).
Grapefruit, cns.....lb. 2.15 - 2.20
Ginger, dist., bots.....lb. 6.25 - 6.50
Guaiac wood, concrete, bots.lb. 2.75 - 3.10
Haarlem, import., bots....gross 3.25 - 3.35
Halibut-liver, dms .....1,000 A unit gal. .75 - 1.00
Hemlock, cns.....lb. 1.05 - 1.10
Juniper berry, USP, cns.....lb. 1.10 - 1.30
Wood, tech., cns.....lb. .45 - —
Juniper tar, USP XI, 1,000 lb. dms..lb. .40 - .45
cns. .....lb. .45 - .50
Lard, common, 1, bbls.....lb. .08½- —
2, bbls. .....lb. .08¾- —
extra, bbls. .....lb. .09¼- —
1, bbls. .....lb. .08⅝- —
winter, strained, extra, bbls., lb. .09¼- —
prime burning, bbls. .....lb. .10¼- —
prime, ed., bbls.....lb. .11½- —
ined., bbls. .....lb. .09¾- —
Laurel, bots.....lb. 6.25 - 6.50
Lavandin, cns., 25 lbs.....lb. 2.00 - 2.05
Lavender flower, French, 50% ester, cns..lb. 5.00 - 5.25
38-42% ester, cns.....lb. 3.75 - 4.25
35-38% ester, cns.....lb. 3.00 - 3.25
30-32% ester, cns.....lb. 2.25 - 2.30
garden, cns. .....lb. .42 - .45
spike, Spanish, tech., cns..lb. 1.05 - 1.10
dms. .....lb. .95 - 1.10
Lemon, Calif., cns.....lb. 2.50 - —
Messina, coppers, cns.....lb. 3.20 - 3.90
Lemongrass, native, cns., dms., lb. .38 - .40
Lime, dist., cns.....lb. 4.75 - 5.50
expressed, cns.....lb. 8.00 - 9.50
Linaloe wood, cns.....lb. 1.25 - 1.30
Linseed, boiled, bbls., c.l....lb. .0960- .0970
l.c.l., 5 or more.....lb. .1000- .1010
less than 5.....lb. .1040- .1050
tanks .....lb. .0900- .0910
double boiled, bbls, less than 5 lbs..lb. .1060- .1070
raw, bbls., c.l.....lb. .0920- .0930
l.c.l., 5 or more.....lb. .0960- .0970
less than 5.....lb. .1000- .01010
tanks .....lb. .0860- .0870
Lovage, bots.....lb.41.25 -60.00
Lubricating, at refinery (including U.S. tax 4c. per gal.):—
California, green, 70, 80, 100, vis., dms..gal. .20 - —
140 vis., dms.....gal. .25 - —
green, pale, 750, 900 vis., dms..gal. .26 - —
green, pale, red, 200, 300, 350, 400, 450, 500, 600, 700 vis., dms..gal. .26 - —

MAY 23 1938 XUM

Oil, Lub.—Petroleum

Oil, lubricating, at rfy., Oklahoma, bright stocks,
100-110 D, color 4, 0-10 pour, tanks..gal. .18½- —
15-25 pour, tanks.gal. .17½- —
150-160 D, color 4½, 0-10 pour, tanks..gal. .20 - —
15-25 pour, tanks.gal. .19 - —
160-160 E, color 5½, 15-25 pour, tanks..gal. .18½- —
190-200 D, color 4¼,15-25 pour, tanks..gal. .23 - —
200-210 E, 15-25 pour, tanks,.gal. .22 - —
neutrals,0-10 pour, 150 vis., 3 color, tanks....gal. .13 - —
180 vis., 3 color, tanks, gal. .14 - —
4 color, tanks....gal. .13½- —
200 vis., 3 color, tanks, gal. .14¼- —
4 color, tanks....gal. .14 - —
250 vis., 3 color, tanks, gal. .15¼- —
4 color, tanks....gal. .15 - —
280 vis., 3 color, tanks, gal. .16½- —
4 color, tanks....gal. .16 - —
300 vis., 3½ color, tanks, gal. .17 - —
350 vis., same basis.gal. .17½- —
400 vis., same basis.gal. .18 - —
500 vis., same basis.gal. .18½- —
600 vis., same basis.gal. .19 - —
15-25 pour prices are ½c. per gallon higher than zero to 10° pour.
Penn., bright, 600 cold test, 10-15 pour, tanks..gal. .18 - —
10-40 pour, tanks.gal. .17 - —
cylinder, 600 fire, tanks, gal. .11½- —
600 flash, tanks.....gal. .14 - —
630 flash, tanks.....gal. .17 - —
635 fire, tanks.....gal. .12½- —
650 fire, tanks.....gal. .13½- —
Warren, E, amber, tanks, gal. .15 - —
neutral, 150 vis., 3 color, tanks..gal. .17 - —
180 vis.,3 color,tanks..gal. .18 - —
200 vis.,2 color,tanks..gal. .19 - —
spot, Penna., bright, bbls., c.l., f.a.s..gal. .27 - .28
unfiltered, 600 s.r....bbls., f.a.s..gal. .21 - —
600 flash, s.r., bbls., c.l., gal. .23¼- —
630 s.r., bbls., c.l., f.a.s. gal. .25 - —
Warren, E, bbls., c.l., f.a.s. gal. .24½- —
smaller lots, f.o.b..gal. .26½- —
Mace, dist., cns., dms.....lb. 1.20 - 1.25
Mandarin, superior, coppers..lb. 6.00 - 7.50
Menhaden, crude, tanks, f.o.b. Balto..gal. .35 Nom.
refd., alkali, dms.....lb. .0830- .0850
tanks .....lb. .0770- —
blown, dms.....lb. .0830- .0850
kettle-bodied, dms.....lb. .0920- .0950
light, pressed, dms.....lb. .0770- .0790
tanks .....lb. .0700- —
Mineral, white (see Oil, white mineral).
Mustard, artif., USP, cns....lb. 1.70 - 1.75
dist., natural, bots.....lb. 8.50 - 9.00
expressed, bbls .....lb. .75 - .80
Neatsfoot, 20° cold test, bbls., lb. .16¼- —
extra, bbls. .....lb. .09½- —
1, bbls. .....lb. .08¾- —
pure, bbls. .....lb. .11½- —
prime, bbls. .....lb. .09⅞- —
sulphonated, common, 25% moisture, dms..lb. .10½- —
Neroli, bots.....lb.115.00 -140.00
Nutmeg, USP, cns., dms.....lb. 1.20 - 1.25
Oiticica, dms.....lb. .10 - .10¼
Oleo, 1, bbls. .....lb. .08½- —
2 bbls.....lb. .08 - —
Olibanum, bots.....lb. 5.00 - 5.25
Olive, denat., bbls.....gal. .90 - .95
edible, bbls.....gal. 1.85 - 2.00
foots, bbls.....lb. .08 - .08¼
Olive, sulphonated, 50% (43% fat), dms., c.l..lb. .11½- .12
l.c.l. .....lb. .12½- .13
75% (63% fat), dms., c.l..lb. .13½- .14
l.c.l. .....lb. .14½- .15
80% (68% fat), dms., c.l..lb. .14½- .15
l.c.l. .....lb. .15½- .16
Orange sweet, dist., cs.....lb. .90 - —
expressed, African, cns., dms..lb. 1.30 - 1.35
Calif., cns.....lb. 1.75 - —
Florida, cns.....lb. 1.75 - —
Messina, USP, coppers.lb. 2.25 - 3.25
West India, cns.....lb. 1.95 - 2.00
Origanum, Spanish, cns.....lb. .90 - 1.60
Orris, Florentine, concrete, extra strong bots..oz. 5.25 - 5.50
Palm, Niger, cks.....lb. .03⅜- .03½
shipment .....lb. .03 - —
softs, 12½%, bulk, shipt....lb. .0300- —
20%, bulk, shipt.....lb. .0280- —
Sumatra, shipt., bulk.....lb. .0300- —
Palmarosa, cns.....lb. 2.05 - 2.25
Palmkernel, bulk, shipt.....lb. .0415- —
Paraffin, 320° flash, 60-70 vis., tanks, G. 3..gal. .05¼- —
330° flash, 70-80 vis., tanks, G. 3..gal. .05¼- —
80-85 vis., bbls., extra, ind. refy..gal. .12 - —
350° flash, 100-105 vis., bbls., extra, ind. refy..gal. .14 - —
360° flash, 100-110 vis., tanks, G. 3..gal. .05⅝- —
Patchouli, bots., cns.....lb. 3.75 - 8.00
Peanut, crude, dom., tanks..lb. .07 - .07½
refd., edible, bbls.....lb. .10 - .10¼
Pennyroyal, dom., cns.....lb. 1.40 - 1.45
import, cns. .....lb. 1.35 - 1.40
Peppermint, natural, cns., dms., lb. 2.05 - 2.30
redist., USP, cns., dms....lb. 2.30 - 2.50
Perilla, dms.....lb. .10¼- .10⅜
tanks .....lb. .09½- .09¾
Petitgrain, Paraguay, cns....lb. 1.00 - 1.05
Pimento berry, cns.....lb. 3.65 - 7.50
leaf, cns. .....lb. 2.30 - 2.40
Pine, dest.-dist., straw-color, dms., dlvd., E. ports..gal. .52 - .55
steam-dist., dms.....gal. .59 - —
tanks .....gal. .54 - —
Pineneedle, Siberian, cns.....lb. .95 - 1.00
Putty, bbls., El Segundo, Richmond, Cal..gal. .22½- —
contracts .....gal. .19½- —
Whiting, Ind.....gal. .28 - —
dms., c.l., Bost., Provid..gal. .25 - —
l.c.l., same basis.....gal. .27 - —
tanks, same basis.....gal. .18 - —
Martines, Cal.....gal. .28 - —
Rapeseed, blown, bbls.....lb. .14½- .14¾
denat., bbls.....gal. .84 Nom.
Red, dist. or saponif. bbls., dlvd..lb. .08⅜ Nom.
dms., dlvd.....lb. .08¼ Nom.
tanks, dlvd.....lb. .07½ Nom.
white, dms.....lb. .11¼ Nom.
Rose, artif., bots.....oz. 2.00 - 8.00
natural, coppers.....oz. 5.25 -22.50
Rosemary, Spanish, cns.....lb. .56 - .75
dms. .....lb. .51 - .70
Rosin, 1st rectfd., dms.....gal. .45 - —
2d rectfd., dms.....gal. .47 - —
3d rectfd., dms.....gal. .51 - —
Rue, bots.....lb. 2.15 - 2.20
Sage, cns. .....lb. 1.40 - 1.45
Oil, sandalwood, E.I., USP, cns. lb. 4.75 - 4.80
lb. .0830- .0850
Sardine, crude, tanks, Pac. Cst..gal. .36 - —
Sardine, refd., alkali, dms.lb. .0870 - .0890
tanks .....lb. .0770- —
kettle-bodied, dms.....lb. .0930- .0950
light, pressed, dms.....lb. .0770- .0790
tanks .....lb. .0700- —
Sassafras, artif., cns.....lb. .37 - .38
dms. .....lb. .35 - .36
natural, cns., dms.....lb. 1.00 - 1.05
Savin, cns. .....lb. 1.65 - 1.70
Savory, cns.....lb. 2.00 - 2.25
Sesame, dom., refd., white, dms., lb. .10¼ Nom.
Shingle stain, bbls., c.l., works, gal. .18 - —
l.c.l., works.....gal. .21 - —
tanks, works.....gal. .14 - —
Snakeroot, Canada, cns.....lb. 9.50 -10.00
Soybean, dom., crude, dms..lb. .0680- .0750
tanks .....lb. .0600- .0650
refd., dms.....lb. .0780- .0920
tanks .....lb. .0720- .0770
Spearmint, USP, cns.....lb. 1.60 - 1.70
Sperm, bleach, 38°, dms.....lb. .1000- .1020
45°, dms.....lb. .0930- .0950
natural, dms.....lb. .0880- .0900
Spruce, cns., dms.....lb. 1.05 - 1.10
Sweet birch, North, cns.....lb. 2.25 - 3.50
South, cns.....lb. 1.65 - 2.00
Tall, crude, dms., c.l., works, ton.45.00- —
l.c.l., works.....ton.50.00 -65.00
tanks, works.....ton.35.00 - —
refined, dms., c.l., works...lb. .03½- —
l.c.l., works.....lb. .06 - —
tanks, works.....lb. .05 - —
Tallows, acidless, bbls.....lb. .08¼- —
tanks .....lb. .08 - —
Tansy, cns.....lb. 4.30 - 4.75
Tar, com'l, dms., c.l., dlvd., E. cities..gal. .26 - —
E. ports .....gal. .25 - —
l.c.l. .....gal, .26 - —
tanks, dlvd. E. cities....gal. .20 - —
rectfd., U.S.P., bbls., dlvd. E. ports..gal. .50 - —
Tar acid (see T).
Teaseed, crude, dms.....lb. .07 - .07¼
Tea Tree (see Oil, ti tree).
Thyme, NF, red, dms.....lb. .85 - 1.25
white, dms. .....lb. .85 - 1.45
Ti tree, cns.....lb. 3.10 - 3.50
Tung (see Oil, chinawood).
Turkey red (see Oil, castor, sulphonated).
Turpentine (see T).
Turtle, cns. .....gal. 4.25 - 5.00
Valerian, bots. .....lb.11.00 -12.00
Vetiver, bots. .....lb. 4.35 -16.50
Walnut, crude, dms.....lb. .11¾- .12
refd., dms. .....lb. .12¾- .13
Whale, refd., natural, dms..lb. .0940- .0960
winter, bleach, dms.....lb. .0980- .1000
Wheat germ, phar., cns., dms. gal.22.50 -30.00
feedstuff, cns., dms.....gal.17.50 -25.00
White, mineral, dom., tech., 50-60 vis., dms.....gal. .42 - —
65-75 vis., dms.....gal. .44 - —
80-90 vis., dms.....gal. .45 - —
U.S.P., 80-90 vis., dms..gal. .49 - —
95-105 vis., dms.....gal. .57 - —
125-135 vis., dms.....gal. .64½- —
140-150 vis., dms.....gal. .68 - —
175-185 vis., dms.....gal. .72½- —
200-210 vis., dms.....gal. .74½- —
320-330 vis., dms.....gal. .80½- —
335-345 vis., dms.....gal. .82 - —
Russian, 80-90 vis., dms.gal. .49 - —
145-155 vis., dms.....gal. .68 - —
175-185 vis., dms.....gal. .72½- —
335-345 vis., dms.....gal. .82 - —
Wintergreen, natural, North, cns..lb. 4.00 - 8.00
South, cns.....lb. 3.05 - 3.75
synth (see Methyl salicylate).
Wood (see Oil, chinawood).
Wormseed, cns. .....lb. 2.65 - 2.70
Wormwood, cns.....lb. 2.65 - 2.70
Ylang-ylang, Bourb., bots., cns., lb. 3.50 - 6.00
Manila, bots. .....lb.18.00 -24.00
Opium, USP, cns.....lb.11.50 -12.50
gran., cns.....lb.12.50 -13.50
powd., cns.....lb.12.50 -13.50
Orange, Lake, Persian, bbls...lb. .30 - .45
Mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash....lb. .10¼- —
dlvd., Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .10¾- —
Colo., Mont., N. M., Wyo..lb. .10½- —
Other points.....lb. .10 - —
smaller lots, dlvd., Ala., etc..lb. .10¾- —
Ariz., etc.....lb. .11¼- —
Colo., Mont., N. M., Wyo..lb. .11 - —
Other points.....lb. .10½- —
French, Tours, csks, ex dock, lb. .13½- —
kgs., ex dock.....lb. .14½- —
Molybdate, bbls.....lb. .31 - —
Toner, bbls.....lb. .80 - —
Orangeflower petals, cs.....lb. .33 - .35
Orange peel, bitter, bls.....lb. .08 - .09
sweet, bls. .....lb. .09 - .10
Orris root, Florentine, bgs.....lb. .10 - .11
fingers, cs.....lb. .90 - .95
powd., bbls., bxs.....lb. .12 - .13
Verona, bls.....lb. .09 - .10
powd., bxs., cs.....lb. .12 - .13
Orthoanisidin, bbls.....lb. .70 - .74
Orthochloroanilin, dms.....lb. .60 - .70
Orthochlorophenol, dms.....lb. .32 - —
Orthocresol, dms., c.l., works..lb. .16½- —
l.c.l., same basis.....lb. .17½- —
Orthodichlorobenzene, dms., c.l., works, frt. alld E. of Rockies..lb. .06 - —
l.c.l., same basis.....lb. .07 - —
100-lb. tins, same basis.lb. .08 - —
50-lb. tins, same basis..lb. .09 - —
tanks, same basis.....lb. .05½- —
Orthodichlorobenzene prices west of Rockies 1c. per lb. higher.
Orthonitroanilin, dms.....lb. .55 - —
Orthonitrochlorobenzene, kgs..lb. .18 - —
Orthonitroparachlorophenol, cns.lb. .75 - —
Orthonitrotoluene, dms.....lb. .08 - —
Orthotoluenehydrochloride, dms.lb. .22 - —
Orthotoluene sulphonate, kgs..lb. 2.00 - 2.05
Orthotoluidin, dms.....lb. .10 - —
Osage orange extract, cryst., bbls., lb. .19 - —
liquid, 42°, bbls.....lb. .08 - —
51°, bbls.....lb. .09 - —
Oxyquinolin sulphate, cns., 100-lbs., works..lb. 3.50 - —
bots., cns., 1-50 lbs.....lb. 3.65 - 4.00

P

Papain, powd., cs.....lb. 1.35 - 1.40
Paprika, Hungarian, extra fancy, bgs..lb. .21½- .22
medium, bgs.....lb. .20 - .20½
Spanish, extra fancy, cs.....lb. .27½- .28
fair, bgs.....lb. .24 Nom.
fancy, bgs. .....lb. .27 Nom.
medium, bgs.....lb. .22½- .23
Para-aminoacetanilide, kgs....lb. .85 Nom.
Parachlorophenol, dms.....lb. .45 - —
Paracymene, refd., dms.....gal. .75 - 1.25
Paradichlorobenzene, dms., c.l.lb. .11 - .12
l.c.l. .....lb. .12½- .15½
Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l., Okla., refy..lb. .02 - —
bbls., c.l., N. Y.....lb. .0185- —
124-126 A.m.p., bgs., c.l., Okla., refy....lb. .02 - —
bbls., c.l., N. Y.....lb. .0185- —
yellow, 124-126 A.m.p., bbls., c.l., N. Y..lb. .02¼-Nom.
fully refd., slabs, 123-125 A.m.p., bgs., c.l..lb. .0430- —
125-127 A.m.p., bgs., c.l..lb. .0435- —
128-130 A.m.p., bgs., c.l..lb. .0445- —
130-132 A.m.p., bgs., c.l..lb. .0455- —
133-135 A.m.p., bgs., c.l..lb. .05 - —
135-137 A.m.p., bgs., c.l..lb. .05¼- —
138-140 A.m.p., bgs., c.l..lb. .06 - —
143-145 A.m.p., bgs., c.l..lb. .07 - —
refined paraffin prices in cases are ¼c. lb. higher than bags price.
match, A.m.p. up to and incl. 110-112 bbls., c.l..lb. .02½- .02⅝
semirfd., solid, 122-124 A.m.p., bgs..lb. .03¼ Nom.
Paraformaldehyde, dms., 1,000 lbs. or more shipments, f.o.b. Perth Amboy, Philadelphia, or N. Y. C..lb. .34 - —
100 to 900 lbs. shipments, same basis..lb. .35 - —
Paraldehyde, tech., 99%, 55 and 100 gal. dms., dlvd..lb. .16 - —
5 and 10 gal. dms., dlvd., lb. .17 - —
USP, cbys.....lb. .37 - .45
Paranitroaniilin, kgs., works...lb. .51 - —
Paranitrochlorobenzene, kgs...lb. .15 - —
Paranitrophenol, kgs.....lb. .35 - —
Paranitrotoluene, kgs.....lb. .35 - —
Paraphenylenediamine, bbls...lb. 1.25 - 1.30
Paratoluenesulphonamide, bbls.lb. .70 - —
Paratoluidin, bbls.....lb. .56 - —
Pareira brava root, bls.....lb. .15 - .18
Paris green, dealer, dms., bbls., c.l., f.o.b. works frt. all'd lb. .23 - .25
less car lot, same basis.lb. .24 - .26
Passion flower herb, bls.....lb. .07 - .07½
Patchouli leaves, bls.....lb. .18 - .20
Pellitory root, bls.....lb. .18 - .20
Pennyroyal herb, bls.....lb. .07 - .08
leaves, bls. .....lb. .14 - .15
Pentanes norm., 28-38°, dms., c.l., G.3..gal. .11½- —
l.c.l., G.3 .....gal. .16 - —
tanks, G.3 .....gal. .08½- —
laboratory grade, dms., c.l., G.3..gal. .14 - —
l.c.l., G.3 .....gal. .25 - —
Pepper, black, Alleppy, bgs...lb. .08 - .08¾
Lampong, bgs.....lb. .05½- .06
Tellicherry, bgs. .....lb. .08¾- .09
Red, Japanese, 1, bgs.....lb. .18 - .18½
Mombasa, bgs.....lb. .21 Nom.
White, Java, Muntok, bgs...lb. .08¼- .08½
Saigon, bgs.....lb. .08⅜- .08¾
Peppermint leaves, dom., bls..lb. .30 - .31
import, bls.....lb. .45 - .48
Peru, balsam, dms.....lb. .73 - .75
Petrolatum, amber, bbls., c.l., lb. .02¾- .02¾
l.c.l. .....lb. .03¾- —
extra, bbls.....lb. .02⅞- .03
l.c.l. .....lb. .04½- —
cream (see white, cream) green (see red)
red, veterinary, bbls., c.l....lb. .02½- —
l.c.l. .....lb. .03⅝- —
white, cream, bbls., c.l.....lb. .04¼- —
l.c.l. .....lb. .06¼- —
lily, bbls., c.l.....lb. .05¼- —
l.c.l. .....lb. .07¼- —
snow, bbls., c.l.....lb. .06¼- —
l.c.l. .....lb. .08¼- —
Petroleum, crude, bulk, at wells:—
California'—
Alamitos Heights.....bbl. .74 - .95
Athens .....bbl. .84 - 1.66
Belridge .....bbl. .70 - 1.32
Buena Vista Hills.....bbl. .70 - 1.38
Canal-Greely .....bbl. .84 - 1.64
Coalinga .....bbl. .70 - .90
Coyote Hills (West)...bbl. .78 - 1.32
Dominguez .....bbl. .79 - 1.00
East Coyote .....bbl. .76 - .96
Elk Hills .....bbl. .70 - 1.38
Elwood Terrace, f.o.b. shlp., bbl. 1.28 - 1.43
El Segundo .....bbl. .80 - 1.21
Huntington Beach.....bbl. .78 - 1.22
Inglewood .....bbl. .79 - 1.27
Kern Front .....bbl. .70 - —
Kern River .....bbl. .70 - —
Kettleman Hills .....bbl. 1.19 - 1.43
La Habra .....bbl. .76 - .96
Lakeview .....bbl. .70 - 1.38
Lost Hills .....bbl. .70 - 1.18
McKittrick .....bbl. .70 - —
Midway - Sunset (except Lakeview)..bbl. .70 - 1.38
Montebello .....bbl. .77 - 1.43
Mt. Poso .....bbl. .70 - —
Mountain View .....bbl. .70 - 1.20
Newhall .....bbl. .70 - —
Orcutt .....bbl. .70 - .93
Olinda Brea .....bbl. .76 - 1.27
Playa del Rey, f.o.b. pipeline .....bbl. .80 - 1.10
Richfield .....bbl. .76 - 1.09
Rosecrans .....bbl. .84 - 1.66
Mound Mt.....bbl. .70 - —
Santa Fe Springs.....bbl. .78 - 1.42
Santa Paula.....bbl. .70 - 1.01
Seal Beach.....bbl. .79 - 1.19
Signal Hill.....bbl. .80 - 1.21
Torrence .....bbl. .80 - 1.05
Wheeler Ridge.....bbl. .70 - .83
Whittier .....bbl. .76 - .96
Wilmington .....bbl. .75 - 1.21
Canada:—
Oil Springs.....bbl. 2.17 - —
Petrolia .....bbl. 2.10 - —
Central West:—
Illinois .....bbl. 1.35 - —
Lima .....bbl. 1.25 - —
Midland (Mich.).....bbl. 1.12 - —
Princeton .....bbl. 1.35 - —
East Texas.....bbl. 1.35 - —
Gulf Coast:—
Barber's Hill.....bbl. .95 - 1.41
Batson .....bbl. .95 - 1.41
Dayton .....bbl. .95 - 1.41
Esperson .....bbl. .95 - 1.41
Goose Creek.....bbl. .95 - 1.41
Hull .....bbl. .95 - 1.41
Humble .....bbl. .90 - 1.41
Liberty .....bbl. .90 - 1.41
Markham .....bbl. .90 - 1.29
Orange .....bbl. .95 - 1.41
Pettus .....bbl. 1.37 - —
Pierce Junction.....bbl. .95 - 1.41
Refugio (incl. Greta, Taft, Saxet)..bbl. 1.01 - 1.17
Saratoga .....bbl. .95 - 1.41
Sour Lake.....bbl. .90 - 1.41
Spindle Top.....bbl. .95 - 1.41
Sugarland .....bbl. .95 - 1.41
West Columbia.....bbl. .95 - 1.41
Kentucky, Tennessee:—
Big Sandy river.....bbl. 1.42 - —
Kentucky river.....bbl. 1.50 - —
Western Kentucky (Owensboro)..bbl. 1.40 - —
Louisiana, Arkansas:—
Bull Bayou.....bbl. .90 - 1.22
Caddo .....bbl. .90 - 1.22
Cameron Meadows....bbl. .90 - 1.30
Petroleum, crude, bulk, at wells:—
Louisiana-Arkansas:—
Choctaw .....bbl. .90 - 1.30
Cotton Valley.....bbl. .90 - 1.22
Darrow .....bbl. .90 - 1.30
De Soto.....bbl. .90 - 1.22
El Dorado.....bbl. .90 - 1.22
Haynesville .....bbl. .90 - 1.22
Homer .....bbl. .90 - 1.22
Iowa .....bbl. .90 - 1.30
Lockport .....bbl. .90 - 1.30
Miller County.....bbl. .90 - 1.22
Pine Island.....bbl. .90 - 1.22
Rainbow .....bbl. .90 - 1.22
Rodessa .....bbl. .90 - 1.22
Smackover .....bbl. .90 - —
Tepetate .....bbl. 1.24 - —
Urania .....bbl. 1.02 - —
Mexico, f.o.b. terminals Mexican ports—based on contract:—
Panuco .....bbl. 1.05 Nom.
Tax, 15.572 per bbl.
Tuxpan .....bbl. No prices
Tax, 23.657 per bbl.
Midcontinent:—
North Texas.....bbl. .96 - 1.20
Oklahoma-Kansas .....bbl. .93 - .130
Altus, Tipton (Okla.) bbl. .96 - 1.20
Pennsylvania, Ohio West Virginia:—
Bradford-Allegany ....bbl. 2.05 - —
Corning .....bbl. 1.27 - —
Pennsylvania grade, in Buckeye lines..bbl. 1.55 - —
Eureka lines.....bbl. 1.65 - —
N. Y. Transit line.bbl. 2.05 - —
S. W. Penn. lines..bbl. 1.71 - —
lower district in National Transit lines.bbl. 1.93 - 1.98
Rocky Mountain:—
Big Muddy.....bbl. 1.18 - 1.23
Canon City-Florence...bbl. 1.10 - —
Cat Creek.....bbl. 1.40 - —
Dutton Creek.....bbl. 1.06 - 1.30
Elk Basin.....bbl. 1.30 - —
Fort Collins-Wellington, bbl. 1.01 - 1.25
Frannie, light.....bbl. .65 - —
Grass Creek.....bbl. .50 - —
Greybull .....bbl. 1.30 - —
Iles .....bbl. 1.12 - 1.18
Lance Creek.....bbl. .97 - —
Lander .....bbl. .51¼- —
Midway .....bbl. 1.00 - 1.30
Rock Creek.....bbl. 1.20½- —
Salt Creek.....bbl. 1.06 - 1.30
Sunburst .....bbl. 1.20 - —
Torchlight .....bbl. 1.30 - —
South, Central and Southwestern Texas:—
Cass County .....bbl. .98 - 1.25
Cleveland-Liberty .....bbl. 1.27 - —
Conroe .....bbl. 1.20 - 1.44
Darst Creek.....bbl. 1.09 - —
Hardin-Liberty .....bbl. 1.15 - —
Luling .....bbl. 1.00 - —
Lytton Springs.....bbl. 1.12 - —
Mirando (incl. Duval).... bbl. .96 - 1.30
Panola County.....bbl. .93 - 1.25
Salt Flat.....bbl. 1.09 - —
Tomball .....bbl. 1.20 - 1.44
West Beaumont.....bbl. .95 -1.41
Van .....bbl. 1.10 - —
Texas Panhandle:—
Carson-Hutchinson counties, bbl. .91 - 1.08
Gray County.....bbl. .96 - 1.08
West Texas:—
Artesia, N. M.....bbl. .90 - —
Crane .....bbl. .78 - 1.08
Crockett .....bbl. .78 - 1.09
Ector .....bbl. .78 - 1.08
West Texas:—
Eddy (N. M.) .....bbl. .90 - —
Hogback .....bbl. 1.33 - —
Howard .....bbl. .78 - 1.08
Jackson, N. M. .....bbl. .90 - —
Lea, N. M. .....bbl. .78 - 1.08
Maljamar, N. M. ....bbl. .90 - —
Mitchell .....bbl. .78 - 1.08
Pecos .....bbl. .91 - —
Upton .....bbl. .78 - 1.08
Winkler .....bbl. .78 - 1.08
Ether, 30-60°, dms., c.l., G. 3, gal. .14 - —
l.c.l., G. 3.....gal. .25 - —
tanks, G.3 .....gal. .13 - —
35-60°, dms., l.c.l., G.3....gal. .30 - —
40-75°, dms., c.l., G.3....gal. .14 - —
l.c.l., G.3.....gal. .25 - —
tanks, G.3.....gal. .13 - —
laboratory grade, dms., c.l., G.3..gal. .14 - —
c.l., G.3.....gal. .25 - —
10-gal. lots, G.3.....gal. .50 - —
Lacquer, diluent, at refinery:—
California 60, 100 l.b.p., 200 e.p., tanks, delvd. Los Angeles..gal. .11 - —
San Francisco..gal. .11¼- —
f.o.b. Richmond..gal. .11½- —
Willbridge, Ore.; Pt. Wells, Wash..gal. .12 - —
East Coast, tanks....gal. .12 - .12¼
Group 3, tanks.....gal. .07⅝- —
naphtha, cleaner,, at refinery:—
East Coast, tanks....gal. .10 - —
Group 3, tanks.....gal. .06⅝- —
tankwagon, Boston, ex tax, gal. .13 - —
Bridgeport .....gal. .13½- —
Chicago, inc. 4c. tax..gal. .17½- —
Decatur, inc. 4c tax..gal. .194 - —
Des Moines, inc. 4c. tax.gal. .192 - —
Evansville, inc. ex tax.gal. .14½- .15¼
Milwaukee, inc. 5c. tax, gal. .206 - —
Minneapolis-St. Paul, inc. 5c. tax..gal. .208 - —
Newark, ex tax.....gal. .12 - —
New York, ex tax.....gal. .12 - —
Omaha, ex tax.....gal. .144 - .154
Oklahoma City, ex tax.gal. .16 - —
Philadelphia, ex tax...gal. .11½- —
St. Louis, inc. 1c. tax.gal. .15 - —
Syracuse, 150 gals.....gal. .14 - —
smaller lots, galv. drums. gal. .16 - —
milk cans.....gal. .21 - —
high-solvency aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway..gal. .16 - —
2, over 90% arom., game basis..gal. .18 - —
3, tanks, f.o.b. Bayway..gal. .18 - —
8, tanks, f.o.b. Paulsboro, N. J..gal. .14 - —
30, same basis.....gal. .16 - —
40, same basis.....gal. .14½- —
V. m. & p., at refinery:—
California, 46.5, 254 i.b.p., 380 e.p., tanks, f.o.b. El Segundo..gal. .11 - —
Richmond..gal. .11½- —
Willbridge, Ore., Pt. Wells, Wash..gal. .12 - —
54-57, 190 i.b.p., 310 e.p. tanks, dlvd. Los Angeles..gal. .10 - —
San Francisco..gal. .10½- —
Portland, Seattle..gal. .11 - —
East Coast, tanks.....gal. .10 - —
Group 3, tanks.....gal. .06⅜- —
tankwagon, Boston, ex tax gal. .13 - .14
Chicago, inc. 4c. tax..gal. .16½- —
Decatur, inc. 4c. tax..gal. .194 - —
Des Moines, inc. 4c. tax.gal. .192 - —
Evansville, Ind., ex tax.gal. .147 - .157
Milwaukee, inc. 5c. tax.gal. .206 - —

ADVERTISEMENT—*This entire page is a paid advertisement.*

Prepared Monthly by the U. S. Industrial Alcohol Co.

ALCOHOL NEWS

May ★ A Monthly Series of Technical Articles for Chemists and Executives ★ 1938

Safety of Ethylene Is Cited by N. Y. Hospital Survey of Anaesthesias

Ethylene can safely be used as an anaesthetic if the known precautions against explosion are observed, reports Clifton W. Henson in a recent issue of *Anaesthesia and Analgesia.*

By studying the number of deaths from anaesthesia in New York City from 1933 to 1936, and the number of anaesthesias administered during this period by 38 hospitals, the author arrives at an approximation of the death rate for various anaesthetics. The calculated number of deaths per 100,000 anaesthesia is given as follows:

1. Ethyl chloride	493
2. Spinal	42
3. Chloroform	25
4. Cyclopropane	15
5. Ether	15
6. Nitrous Oxide	13
7. Local	11
8. Ethylene	None

Only 7 of the 38 hospitals surveyed used ethylene, the article points out, and ethylene administrations represented only 2.8% of the total number of anaesthesias.

Note: Because the distribution of anaesthesia Ethylene entails considerable service and equipment technique, U.S.I. has made special arrangements for the distribution of U.S.I. Ethylene. The U. S. Industrial Alcohol Co. does not sell anaesthesia Ethylene as such.

A.M.A. Upholds Vitamin C Potency of Canned Juices

NEW YORK, N. Y.—Brands of commercially canned fruit juices and tomato juice accepted by the A. M. A. Council on Foods, are all excellent sources of Vitamin C, reports Council Secretary Franklin C. Bing, in a recent issue of the society's *Journal.*

Canned orange juice is only slightly less potent than the fresh juice, the Council declares, and canned grapefruit, tomato and pineapple juices are respectively about 5/6, ½ and 1/3 as active as orange juice. Slightly larger quantities of Vitamin C are credited to lemon juice, but because it is used largely as a flavoring, this product can scarcely be depended upon to provide the entire requirements of an adult, the report indicates.

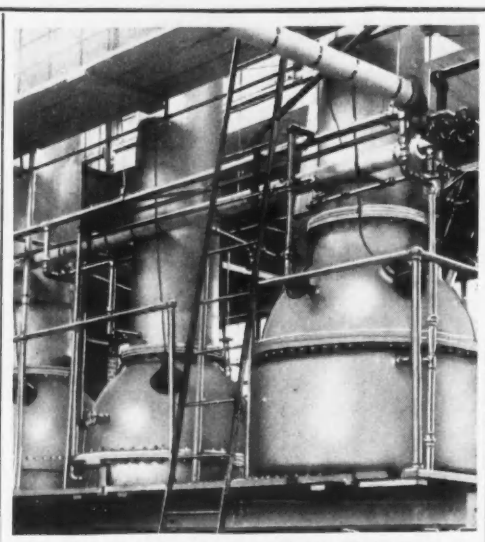
The Council concludes that about 1,000 International units of Vitamin C, or 15 mg. of cevitamic acid, is a suitable daily allowance.

Reveals Process to "Age" Perfumes; No Fixatives

Perfumes assume a new mild fragrance in a short time if they are treated with submicroscopic particles of heavy metals or compounds, it is claimed in a patent recently issued to a German inventor. Mentioned as "rapid agers" are platinum, iridium, gold, silver, copper, cadmium, cobalt, and nickel.

The perfume may be fed continuously through a chamber coated with silver and containing a gravel-like material similarly coated, and a small amount of electric current allowed to pass through the system. In maturing perfumes by this process, the inventor points out an odor fixative like musk does not have to be added, and the perfume thus treated has strong sterilizing properties.

[U.S.I. perfume grade alcohols are rigidly tested for freedom from odor and behavior on aging.]



This view shows a section of the Robert Rauh, Inc., plant acquired by the U. S. Industrial Alcohol Co. The aluminum stills pictured above are used in the manufacture of synthetic resins and are typical of the modern facilities available.

Process Yields Stable Soya Oil and Lecithin

WEST LAFAYETTE, Ind.—A light-colored, precipitate-free soya oil and its preparation from the ordinary commercial product by extraction with 95% alcohol are described in a U. S. patent just issued to an inventor of this city. An additional feaure of the process, according to the patent papers, is that the phosphatides obtained as a by-product contain a valuable constituent, lecithin.

The inventor explains that when commercial soya oil is refluxed with 95% ethyl alcohol for an hour, and the mixture held overnight at ordinary refrigeration temperatures, two fractions are obtained. One fraction composed of alcohol and phosphatides rises to the top of the mixture and is drawn off, leaving behind the purified oil.

Repeated extraction, it is claimed, produces progressively lighter oil which is also progressively stable to heat at 315 deg. C.

[All Specially Denatured Alcohol Formulas are also available with U.S.I. anhydrous alcohol.]

U.S.I. Acquires Resin Business Formerly Conducted by Rauh

To Distribute Synthetics and Ester Gums on National Scale

As part of its general program of expansion in the chemical field, the U. S. Industrial Alcohol Co. as of May 1, 1938 took over the business formerly conducted by Robert Rauh, Inc., well-known manufacturer of synthetic resins.

Robert Rauh, Inc., occupied a large, modern plant at Newark, N. J., where it specialized in the manufacture of a diversified line of resins, including alkyds, phenolics, ureas, ester gum, and copal esters. Well equipped laboratories were maintained for development work on new resins and on new uses for these products. All these facilities will be continued and expanded under the new ownership.

Similar Outlets

Among the principal industries served by Robert Rauh were the paint, varnish, lacquer, printing ink, linoleum, adhesives, plastics, composition floor tile, and insulating materials fields. Because these outlets are substantially those now using solvents and chemicals of the type manufactured by U.S.I., it is obvious that resins form a logical addition to this line, and place the company in a better position to serve the needs of its trade.

Steady Expansion

Expansion of the Rauh company has kept continually abreast of growth of the synthetic resin field. While the company has occupied its present plant since 1930, its history goes back to 1849 when David Rauh founded the firm abroad to make brewer's pitch. About 1912 the business was transferred to this country and a plant was opened in Newark, N. J. With the advent of Prohibition the market for brewer's pitch was curtailed and the company concentrated on manufacturing ester gums.

Following the war, expansion in the paint, varnish and lacquer industries created a de-

(Continued on next page)

Claims Ointments Are Inefficient in Promoting Drug Absorption Through Skin, Mucous Membrane

Normal skin and mucous membranes absorb certain substances much faster than injured tissues, according to David I. Macht in a recent issue of the *Journal* of the A. M. A. The discovery that nicotine is rapidly absorbed through both mucous membranes and intact skin was used in investigating its penetration through diseased and pathological tissues of animals.

Hydrous Lanolin More Effective

Experiments with ointments made with lard, petrolatum, hydrous lanolin, an absorption base, bear fat, and a greaseless cream and lotions prepared with olive oil, cottonseed oil, mineral oil and peach kernel oil indicate that none of these is very efficient in promoting absorption of drugs incorporated in them through normal skin. Hydrous lanolin was somewhat more effective than other members of the series.

Fixed oils and fats penetrated the normal epidermis only slightly; their chief therapeutic value is in their emollient and protective action and their function as fixatives.

A large group of essential or volatile oils, on the other hand, was readily absorbed through the intact skin of various animals. The following oils were examined: anise, bergamot, caraway, cardamon, cassia, chamomile, cinnamon, citronella, cloves, coriander, eucalyptus, fennel, jasmine, juniper, lavender, lemon, marjoram, neroli, peppermint, rose geranium, sassafras, thyme, wintergreen.

Active constituents of essential oils proved to be as absorbable by the skin as the original oils. The list studied included benzyl alcohol, thymol, geraniol, menthol, eucalyptol, eugenol, citronellol, terpineol, benzyl benzoate, benzaldehyde, citral, heliotropin, camphor, methyl salicylate, pinene, and many others.

A number of volatile oils as well as some of their constituents were successfully used as vehicles to introduce into the body various potent alkaloids and other drugs.

V 132 1 MAY 23 1938 XUM

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May ★ **ALCOHOL NEWS** ★ 1938

Tests With Maleic Acid Esters Indicate Use In Synthesis

Dimethyl, Diethyl, Dibutyl Maleates Recently Introduced by U.S.I.

NEW YORK, N. Y.—Experiments indicate that three new U.S.I. products.—Dimethyl Maleate, Diethyl Maleate and Dibutyl Maleate—may be of value both as solvents and as intermediates for chemical synthesis.

These maleic acid esters are now available in limited quantities from small scale operation. Samples may be secured for experimental investigation.

Acid Is Unsaturated

Because of the presence of a double bond, it can be inferred that the esters are capable of undergoing reactions characteristic of other unsaturated compounds such as addition, reduction, oxidation and polymerization. It is known, in addition, that maleates, being optical isomers, go over into fumarates under certain conditions and vice versa.

Laboratory tests demonstrate that Dibutyl Maleate has interesting properties as a solvent. The most outstanding of these is its low vapor pressure, which indicates that it may have possibilities as a solvent-plasticizer. The boiling point of Dibutyl Maleate is 123° C. at 3 mm. absolute pressure.

Dimethyl Maleate and Diethyl Maleate are also high boiling solvents with respective distillation ranges of 198°–210° C. and 218°–230° C. at normal atmospheric pressure. Laboratory tests have shown that Dimethyl Maleate is an active solvent for cellulose acetate even when used with up to 50 per cent of ethyl alcohol, Solox* and the Ansols.*

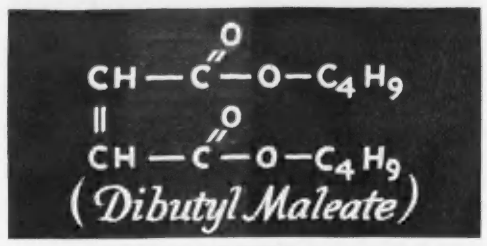
*Registered trade marks of the U. S. Industrial Chemical Co., Inc.

Defines "Odor"

LONDON, Eng.—In a paper contributed to the local section of the Society of Chemical Industry on "The Scientific Basis of Odour," Dr. G. Malcon Dyson summarised the concept of odor as follows: An odorous substance must possess three attributes. (1) An appreciable vapor pressure. (2) A solubility in lipoid matter. (3) One or more Raman shifts between the limits 1,500-3,500. The first two make the osmic perception of the third factor possible, the third determines its quality.

Burning Tablet Sterilizes

Hexamethylenamine tablets are recommended as a source of heat for sterilization by Dr. Erwin C. Cary in the April issue of *Medical Economics*. The physician writes "... when I want to sterilize a needle or make a urinary test all I have to do is light one of them. It provides ample heat with no muss."



Employs Vinyl Resin To Make Sausage Casings

Artificial sausage casings that are translucent like real sausage skins may be formed from a suitable solution of a vinyl resin of the acetal type, it is revealed in a new British patent.

The patent suggests dissolving the resin in a mixture of alcohol, benzene, and methylene chloride so as to produce 8-10 per cent solution. The casing is formed to shape by dipping a glass tube into the solution, drying and stripping the resultant film, and then stretching it while wet with water.

If transparent casings are desired, the patent adds, the same resin is dissolved in a solvent such as pentachlorethane in order to prevent condensation of water droplets.

[All Specially Denatured Alcohol Formulas are also available with U.S.I. anhydrous alcohol.]

U.S.I. Enters Resin Field

(Continued from previous page)

mand for improved finishes, and ester gums soon became an important raw material for these new finishes.

A few years later, the Rauh company again expanded its facilities and began the manufacture of phenol-formaldehyde resins and copal esters. Subsequently, the company added a line of alkyd resins and urea resins and, since Repeal, has resumed the manufacture of a considerable volume of brewer's pitch for lining barrels, kegs, etc.

In 1937, new units for the manufacture of phenolic and alkyd resins were installed to enable the company to meet the increased demands for resins of this type, and to keep pace with rapid developments in the field.

Major distribution of Rauh products has, until now been in the East, although they are known in the midwest as well as on the Pacific Coast. Synthetic resins will be nationally distributed by U.S.I. sales offices in all leading cities.

Germicidal Soaps

Stronger germicidal properties are obtained with soaps in which unsaturated acids, such as oleic or linoleic, have been used in place of hydroxylated or saturated acids, a recent report states.

TECHNICAL DEVELOPMENTS

Further information on these items may be obtained by writing to U.S.I.

A new colloidal detergent and dispersing agent will enhance the value of sulfonated oil shampoos and bath oils by increasing the effectiveness of the amount of perfume carried, by repressing rancidity, and by preventing precipitation of lime and magnesium salts, according to the manufacturer. Its addition also allows a smaller amount of sulfonated oil to be used, it is said. **(No. 91a)**

U S I

A new preservative will prevent the growth of fungi on leather, canvas, paint and cellulose materials, according to the manufacturer. The product is said to combine a germicide, fungicide, repellant, oils and waxes which penetrate deep into the pores, sealing them. Water soluble and oil soluble forms are available. **(No. 92a)**

U S I

To illuminate the inside of barrels, drums, tanks, etc., a special stick-like flashlight is now on the market. The aluminum lamp is said to be safe in the vicinity of explosive fumes and dusts, and is easily manipulated. A mercury switch in the shank automatically turns off the light when not in use. **(No. 93a)**

U S I

Three new lilac bases have been introduced for cosmetic manufacturers who desire to produce the same odor throughout their entire line of cosmetics. One base is for creams, lotions and general cosmetics; another for powders, etc.; the third for extracts. **(No. 94a)**

U S I

Fatty acid soaps unique in their oil solubility and in their ability to emulsify oil systems are said to be among the products which can be formed from a non-volatile tertiary amine recently introduced. The compound, described as amphoteric, also forms water soluble salts with inorganic acids, is a solvent for a wide variety of compounds, and is useful as an ingredient in paint removers as well as in certain syntheses, it is stated. **(No. 95a)**

U S I

A portable crane for drums weighs only 150 lbs., yet can accommodate drums as heavy as 500 lbs., a recent report states. One workman can operate the device, handling drums either flat or held on end, it is claimed. **No. (96a)**

U S I

A new preservative and antioxidant for protecting many cosmetics, that contain fats and oils, against oxidation, rancidity and bacteria has been introduced. It is claimed to be particularly suitable for use in personal deodorants because it "preserves" the perspiration and thus prevents the development of obnoxious decomposition odor. Other outstanding advantages are, according to the manufacturer, non-toxicity, long-range effectiveness in small concentrations, and wide solubility. **(No. 97a)**

U S I

Wide-range indicator papers that pass through five color changes in the range pH 2 to pH 10 are now supplied by one manufacturer. They can be used with turbid and highly colored solutions by observing color of outer diffusion zone on spot tests, he reports. **(No. 98a)**

U S I

A synthetic violet ketone, recently introduced, is said to reproduce, when compounded, the fragrance of the natural violet. **(No. 99a)**

U.S. INDUSTRIAL ALCOHOL CO.

WORLD'S LARGEST PRODUCERS OF INDUSTRIAL ALCOHOL

ETHYL ALCOHOL

SPECIALLY DENATURED-*All Formulas* • COMPLETELY DENATURED-*All Formulas* • ANHYDROUS-*Denatured* • ABSOLUTE-*Pure*

SOLOX-*The General Solvent* • U. S. I. DENATURED ALCOHOL • SUPER PYRO *Anti-Freeze*

PURE (190 PROOF) TAX PAID—TAX FREE

U. S. I.—U. S. P.-*Ethyl* • WEBB'S-*Ethyl*

Executive Offices: 60 East 42nd Street, New York, N. Y. Branches in all Principal Cities.

Petroleum, naphtha, v.m.&p., tankwagon, Minneapolis-St. Paul, inc. 5c. tax..gal. .20¾ - —
Newark, ex tax.....gal. .12½- —
New York, ex tax.....gal. .11 - —
Omaha, ex tax.....gal. .144 - .154
Philadelphia, ex tax...gal. .12½- —
St. Louis, inc. 1c. tax.gal. .16 - —
Solvent, rubber, at refinery, East Coast, tanks..gal. .09¼- .10
Group 3, light, 120 i.b.p., 250 e.p., tanks..gal. .06¾- —
standard, 180 i.b.p., 288 e.p., tanks..gal. .06¾- —
Stoddard (CS 3-38), at refinery:—
East Coast, tanks.....gal. .10 - —
Group 3, tanks.....gal. .05¾- —
tankwagon, Boston, ex tax, gal. .12½- .13½
Chicago, inc. 4c. tax..gal. .159 - —
Decatur, inc. 4c. tax..gal. .184 - —
Des Moines, inc. 4c. tax.gal. .182 - —
Evansville, Ind., ex tax.gal. .135 - .145
Milwaukee, inc. 5c. tax, gal. .196 - —
Minneapolis-St. Paul, inc. 5c. tax..gal. .177 - —
Newark, ex tax.....gal. .09½- .11½
New Orleans, ex tax.gal. .11 - —
New York, ex tax.....gal. .09½- .11½
Omaha .....gal. .131 - .14
Philadelphia, ex tax...gal. .10¼- .12½
St. Louis, inc. 1c. tax.gal. .139 - —
Tulsa, ex tax .....gal. .10 - .11
Thinner, at refinery:—
California, 34, 325 i.b.p., 390 e.p., low anilin, tanks f.o.b. Los Angeles....gal. .14 - —
Portland, Ore.....gal. .15 - —
Richmond .....gal. .13½- —
Seattle, Wash....gal. .15½- —
44, 311 i.b.p., 385 e.p., tanks, f.o.b. Point Wells, Wash.; Willbridge, Ore., gal. .10½- —
Richmond .....gal. .10 - —
Southern Calif....gal. .09½- —
66, 200 i.b.p., 300 e.p., tanks, f.o.b. El Segundo..gal. .11 - —
Portland, Ore....gal. .12 - —
Richmond .....gal. .11½- —
Seattle, Wash....gal. .12 - —
East Coast, 43-47, tanks..gal. .09½- .10
47-49, tanks.....gal. .09¼- .10
New Jersey, tanks...gal. .09 - —
Group 3, tanks.....gal. .05¾- —
tankwagon, tax included:—
Albany .....gal. .13 - —
Baltimore (100 gals.)..gal. .12½- .15½
25-99 gals. .....gal. .13½- .15½
Boston .....gal. .12½- .13½
Bound Brook, North Amboy, N. J..gal. .11½- .13⅛
Bridgeport, Conn.....gal. .11½- —
Buffalo .....gal. .12½- —
Camden, N. J.....gal. .10 - .12
Chicago .....gal. .162 - —
Decatur, Ill.....gal. .184 - —
Des Moines.....gal. .182 - —
Evansville, Ind. .....gal. .137 - .147
Milwaukee .....gal. .196 - —
Minneapolis-St. Paul...gal. .198 - —
Newark .....gal. .09½- —
New York (200 gals.)..gal. .09½- .11
Omaha .....gal. .131 - .141
Philadelphia .....gal. .10½- .12½
Pittsburgh .....gal. .12 - .14
Providence .....gal. .12¼- .13½
Rochester .....gal. .12 - —
St. Louis.....gal. .15 - —
Syracuse .....gal. .14 - —
Trenton .....gal. .11½- .14
Wilmington, Del. ....gal. .11½- .13½
Phenobarbital, bots., 5 lbs....lb. 4.85 - —
bots. or cns., spot or contract, 100 lbs..lb. 4.00 - —
cns., 25 lbs.....lb. 4.25 - —
Phenol, USP, dms., c.l., works, frt. equald..lb. .14½- .15¼
l.c.l., same basis.....lb. .15¼- .16¼
under 1,000 lbs.....lb. .16¼- .17¼
tanks, works.....lb. .13½- —
Phenolphthalein, USP, bbls., dms. 2,000 lb. lots..lb. .85 - —
bbls., dms., kegs, 100-250 lbs. lb. .87 - .90
yellow, fib., dms., 2,000-lb. lots, lb. .80 - —
100-lb. fib., dms.....lb. .82 - —
25-lb. dms.....lb. .87 - —
50-lb. kgs.....lb. .84 - —
Phenyl chloride, dms.....lb. .17 - —
Phenylacetaldehyde, bots.....lb. 2.25 - 3.50
Dimethylacetate, cns.....lb. 14.50 -15.00
Phenylethylphenyl acetate, bots., lb. 7.90 -15.50
Phenylhydrazine base, CP, bots., lb. 4.00 - —
Hydrochloride, CP, bots., works..lb. 4.00 - —
commercial, kgs., works...lb. 1.50 - —
pure, bbls., works.....lb. 2.25 - —
Phloroglucinol, CP, tins, works.lb. 20.00 -22.00
tech., tins, works.....lb. 15.00 -16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines..long ton. 4.85 - —
land pebble, 68% min., bulk, mines..long ton. 1.85 - —
70% min., bulk, mines, long ton. 2.35 - —
72% min., bulk, mines, long ton. 2.85 - —
75% basis, 74% min., bulk mines..long ton. 3.85 - —
Tenn., 72% bulk, mines, long ton. 4.50 - —
75%, bulk, mines..long ton. 5.50 - —
Phosphorus, red, cs.....lb. .40 - .44
Yellow, cs.....lb. .24 - .30
Phosphorous, oxychloride, cyls.lb. .15 - .18
Sesquisulphide, cs.....lb. .38 - .42
Trichloride, cyls.....lb. .15 - .18
Phthalic anhydride, dms., c.l., works, frt. alld. E. of Miss. R..lb. .14½- —
l.c.l., same basis.....lb. .15½- —
Pichi leaves, bgs.....lb. .10 - .12
Pilocarpine hydrochloride, bots., vis..oz. 2.40 - 2.50
Nitrate, bots., vis.....oz. 2.90 - 3.00
Pimento, bgs. .....lb. .13½- .14
Pinkroot, bls. .....lb. .38 - .40
Pitch, Burgundy (see B)
Coaltar, 160° m.p., bbls., c.l., works..ton. 19.00 - —
l.c.l. .....ton. 22.00 - —
hardwood, 1-time, dm., c.l., dlvd. Akron..ton. 23.75 -24.00
Linseed, dms.....lb. .05 - .05¼
Petroleum (see Asphaltum, Mexican, Texas)
Pine, bbls.....bbl. 6.00 - 6.25
Plaster of paris (see Gypsum).
Pleurisy root, bls.....lb. .12 - .18
Podophyllin, dms.....lb. 5.00 - 5.25
Poke root, bls.....lb. .07½- .08
Pomegranate bark, bgs.....lb. .16 - .17
Root bark, bgs.....lb. .35 - .36
Poppy flowers, red, bls.....lb. .75 - .85
Seed, Dutch, bgs.....lb. .11 - .11⅜
Polish, bgs. .....lb. .11 - .11¼
Potash abietate.....lb. .08 - —
Acetate, tech., bbls., dlvd..lb. .26 - —
kgs., dlvd.....lb. .28 - —
USP, bbls., 250 lbs.....lb. .28 - —
kgs., 100 lbs.....lb. .30 - —
cns., 25 lbs.....lb. .33 - —
Arsenite, USP, solut., cbys., 100 lbs..lb. .11 - —
demj., 50 lbs.....lb. .12 - —
Potash, bicarbonate, USP, cryst., bbls., 300 lbs..lb. .18 - —
kgs., 100 lbs.....lb. .20 - —
gran., bbls., 250 lbs.....lb. .18 - —
kgs., 100 lbs.....lb. .20 - —
Bichromate, spot, c.l., works..lb. .08⅞- —
6 casks or 10 bbls., or over, works..lb. .09 - —
5 casks or 9 bbls., or less, works..lb. .09¼- —
Binoxalate, dms.....lb. .23 - —
Bisulphate, kgs.....lb. .14 - .18
Bromide, USP., gran., bbls., 500 lbs..lb. .31 - —
fib., dms., 100 lbs.....lb. .32 - —
Carbonate, calc., dms., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .05½- —
l.c.l., same basis.....lb. .05¾- —
liquid, dms., c.l., dlvd.....lb. .03 - —
l.c.l., dms.....lb. .03¼- —
tanks, dlvd.....lb. .0287½- —
USP, gran., bbls., 325 lbs. lb. .14 - —
powd., bbls., 325 lbs.....lb. .19 - —
kgs., 100 lbs.....lb. .21 - —
Caustic, flake, 88-92%, dom., dms., c.l., works..lb. .07 - —
l.c.l. .....lb. .07¼- .07½
import, dms.....lb. .07 - .07½
liquid, 45% basis, dms.....lb. .03¼- .03½
tanks .....lb. .02¾- —
solid, 88-92%, dom., dms., c.l., works..lb. .06¼- —
l.c.l. .....lb. .06½- .06¾
import, csks.....lb. .06¼- .06¾
Chlorate, cryst., kgs.....lb. .09¼- .09¾
gran., kgs.....lb. .12 - .13
powd., kgs.....lb. .08½- .09
Chloride, tech., 98%, cryst., bgs., kgs..lb. .04 - .06
Chromate, kgs.....lb. .24 - .27
Citrate, USP, gran., bbls., 250 lbs..lb. .34 - —
kgs., 100 lbs.....lb. .35 - —
cns., 50 lbs.....lb. .36 - —
cns., 25 lbs.....lb. .38 - .39
Cyanide, cns., dms.....lb. .50 - .55
Glycerophosphate, 75%, sol., dms., 1,000-lb. lots..lb. 1.15 - —
smaller lots.....lb. 1.30 - —
cns., 25 lbs.....lb. 1.40 - —
Guaiacolsulphonate, fib., dms., 100 lbs..lb. 1.65 - —
cns., 25 lbs.....lb. 1.75 - —
Hydroxide, USP, sticks, cns., 110 lbs..lb. .30 - —
Hypophosphite, cns., 100 lbs., lb. .72 - —
25 to 50 lbs.....lb. .75 - —
Iodate, bbls., bots., 5 lbs....lb. 3.17 - —
cns., 25 lbs.....lb. 3.05 - —
Iodide, bbls., 250 lbs.....lb. .93 - —
bots., or cns.....lb. 1.02 - 1.28
dms. .....lb. .95 - .96
Kainit, 20% K_2O, bulk, c.if., ports, ton..12.25 - —

Prices for potash kainit, manure salts, muriate, sulphate and potash magnesia sulphate for July 1938-May 1939 are subject to discount according to the time orders are placed and the time of delivery. See fertilizer market report for particulars.

Manure salt, dom., run of mine, approx. 30%, K_2O, bulk, c.i.f. ports, unit-ton. .58½- —
import, 30%, K_2O, bulk, shipt. unit-ton. .58¼- —
Metabisulphite, kgs.....lb. .13 - .15
Muriate, dom., all strengths, min. 50% K_2O bulk.. unit-ton. .53½- —
import, all strengths, min. 80% KCl, basis 50% K_2O, bulk, c.i.f. ports..unit-ton. .53½- —
Potash muriate prices in bags are $2 per ton higher than bulk price.
Oxalate, pure, cryst., kgs..lb. .30 - .31
tech., bbls.....lb. .25 - .26
Nitrate, crude, bgs., May shipt., c.i.f. ports..ton. 57.50 Nom.
Perchlorate, kgs., works.....lb. .09½- .11¼
Permanganate, tech., dms...lb. .18¼- .19
Prussiate, red, bbls.....lb. .32 - .34
Yellow, bbls.....lb. .15 - .16
Ricinoleate, tech., bbls.....lb. .13 - —
Silicate alkaline, lump, bgs., lb. .07 - —
Sulphate, NF, cryst., bbls., 400 lbs..lb. .13 - —
kgs., 100 lbs.....lb. .15 - —
powd., bbls., 350 lbs.....lb. .14 - —
kgs., 100 lbs.....lb. .16 - —
tech., 90-95%, min. 90%, bgs., shipt., c.i.f. ports..ton. 38.00 - —
l.c.l. .....lb. .13½- —
Xanthate, dms., c.l.....lb. .13 - —
Potash-magnesia sulphate, 48-53%, min. 48%, bgs., shipt. ton. 25.75 - —
Potash-titanium oxalate, kgs...lb. .35 - .40
Prickly ash bark, bls.....lb. .11 - .12
Berries, bls.....lb. .15 - .16
Prince's pine herb, bls.....lb. .21 - .22
Propane, tanks, G.3.....gal. .03 - —
Psyllium seed (see Fleaseed).
Pulsatilla, bls. .....lb. .17 - .18
Pumice stone, Italian, Amer.-grd., 4F, 3F, 2F, 1½F, and coarser, bbls., 3 or over, works..lb. .03 - —
less than 3, works..lb. .03½- —
F and 1, bbls., 3 or over, works..lb. .03¾- —
less than 3, works..lb. .04 - —
O, O-½, O-¾, and ½, bbls., less than 3, works..lb. .04½- —
3 or over, works..lb. .04 - —
Ital.-grd., bgs., c.l., shipt. ex dock, N.Y..ton. 32.85 Nom.
l.c.l., 5-29 tons, ex whse., ton. 37.70 - —
1,000-10,000 lbs., ex whse..ton. 38.70 - —
2 bgs. to 1,000 lbs., ex whse..ton. 40.70 - —
single bgs., ex whse.ton. 45.70 - —
Pumpkin seed, bgs.....lb. .10 - .12
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 3.00 - —
linseed oil, raw, dms....100 lbs. 4.50 - —
refined, dms.....100 lbs. 5.00 - —
standard, dms.....100 lbs. 3.95 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2.4% pyrethrins (Seil test) 55 gal. dms. (incl.), frt. alld. E. of Rockies, standard brand..gal. 6.40 - 6.75
basis (30 to 1) 3.6% pyrethrins 55 gal. dms., (incl.) frt. alld. E. of Rockies, standard brand..gal. 9.60 - 9.95
Pyrethrum, flowers, coarse, grnd. (g.d.p.), Japan, bgs., frt. alld., 15 tons or over..lb. .23¾- —
fine powd. Japan, bbls., ton lots, frt. alld..lb. .25¼- —
Pyridin, denaturing, dms.....gal. 1.55 - —
refd., 2°, dms.....lb. .45 - —
Pyrites, Spanish, bulk, c.i.f. Atl. ports..unit-ton. .12-13 Nom.
Pyrocatechin, CP, cryst., works, fib, dms., tins..lb. 2.15 - 2.40
resublimed, fib, dms., tins..lb. 4.60 - —
Pyroxylin, scrap, amber, cs., works..lb. .15 - —
black, cs., works.....lb. .10 - —
China white, ivory, cs., works..lb. .16 - —
dense white, cs., works..lb. .12 - —
Pyroxylin, gray, cs., works.....lb. .10 - —
mixed, mottles, opaque, cs., works..lb. .04 - —
shell-demi, cs., works....lb. .12 - —
translucent pastels, cs., works..lb. .10 - —
transparent, cs., works...lb. .20 - —
colors, cs., works.....lb. .12 - —
shavings, amber, cs., works..lb. .16 - —
colors, mixed, cs., works.lb. .10 - —
white, cs., works.....lb. .15 - —

Q

Quassia, chips, bls.....lb. .05 - .06
Quebracho extract, liquid, 35% tan., bbls., works..lb. .03¾- —
tanks, works.....lb. .02¾- —
solid, 63%, bgs, c.l., ex dock, plus duty..lb. .04 - —
clarified, 64%, bgs., c.l., same basis..lb. .04¼- —
Queen of the meadow leaves, bgs..lb. .07 - .08
Root, bgs.....lb. .09 - .10
Quercitron, extract, liquid, 51°, bbls..lb. .07½- .08¼
solid, dms.....lb. .10 - .15½
Quicksilver, dom., flasks (76 lbs. net), dlvd., N.Y..flask. 82.00 -83.50
Quince seed, bgs.....lb. .85 - 1.50
Quinidine, cryst., small cns...oz. .96 - —
large, cns.....oz. .98 - —
powd., precip., cans.....oz. .91 - —
Sulphate, cns.....oz. .67 - —
Quinine, 100 ozs., cns.....oz. .76 - —
Acetate, cns.....oz. .99 - —
Arsenate, cns.....oz. .99 - —
Arsenite, cns.....oz. 1.01 - —
Bisulphate, cns.....oz. .54 - —
Citrate, cns.....oz. .72 - —
Dihydrobromide, bots.....oz. .75 - —
Dihydrochloride, bots.....oz. .75 - —
Ethylcarbonate, cns.....oz. .75 - —
Ferrocyanide, cns.....oz. 1.01 - —
Formate, cns.....oz. .94 - —
Glycerophosphate, cns.....oz. 1.14 - —
Hydrochloride, cns.....oz. .68 Nom.
Hydrochlorosulphate, cns....oz. .75 - —
Hydroiodide, cns.....oz. .99 - —
Hypophosphite, cns.....oz. .99 - —
Phosphate, cns.....oz. .82 - —
Salicylate, cns.....oz. .73 - —
Sulphate, U.S.P. X, cns.....oz. .54 - —
U.S.P. XI, cns.....oz. .61 - —
Sulphocarbolate, cns.....oz. .97 - —
Tannate, cns.....oz. .57 - —
Tartrate, cns.....oz. .97 - —
Valerate, cns.....oz. .93 - —
Quinine-urea hydrochloride cns.oz. .75 - —

R

R salt, bbls.....lb. .52 - .55
Rapeseed, Belgian, bgs.....lb. .06½- .07
Dutch, bgs.....lb. .06½- .07
Japanese, bgs. .....lb. .06 - .06½
Raspberries, dried, bls.....lb. .53 - .55
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90

Red, Alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., Ia. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld..lb. .85 - —
smaller lots, same basis, lb. .90 - —
kgs., ton lots, same basis, lb. .90 - —
smaller lots, same basis, lb. .95 - —
light shade, bbls., ton lots, same basis..lb. .70 - —
smaller lots, same basis, lb. .75 - —
kgs., ton lots, same basis, lb. .75 - —
smaller lots, same basis, lb. .80 - —
light-medium shade, bbls., ton lots, same basis..lb. .75 - —
smaller lots, same basis, lb. .80 - —
kgs., ton lots, same basis, lb. .80 - —
smaller lots, same basis, lb. .85 - —
maroon shade, bbls., ton lots, same basis..lb. .95 - —
smaller lots, same basis, lb. 1.00 - —
kgs., ton lots, same basis, lb. 1.00 - —
smaller lots, same basis, lb. 1.05 - —
medium shade, bbls., ton lots, same basis..lb. .80 - —
small lots, same basis, lb. .85 - —
kgs., ton lots, same basis, lb. .85 - —
smaller lots, same basis, lb. .90 - —
selenide, bbls., dark, works.lb. 2.50 - —
light, works.....lb. 2.25 - —
Orange, bbls., 100-lb. lots, works..lb. 1.50 - —
Carmine, 40 1-lb. cns., 500 lbs. lb. 4.15 - —
dms., 500 lb. lots.....lb. 4.00 - —
100 lb. lots.....lb. 4.10 - —
Crocus martis (see Red, purple oxide).
Eosin toner, bbls.....lb. 1.50 - 1.60
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .08¾- —
80%-85%, bbls., same basis..lb. .07½- —
Iron oxide (see Red, oxide).
Lake C toner, bbls., same basis alizarin lake, contracts.lb. 1.25 - —
open order.....lb. 1.30 - —
Lithol toner, bbls., same basis, alizarin lake, contrs..lb. .75 - —
open order.....lb. .80 - —
Rose lake, bbls.....lb. .20 - .30
Pink, bbls.....lb. .15 - .20
Lithol-rubin toner, bbls., same basis alizarin lake..lb. 1.35 - —
Maroon lake, 25%, kgs., same basis alizarin lake contracts. lb .40 - —
Oxide (see Red, purple oxide).
Mercury oxide, tech., dom.... bbls..lb. 1.26 - —
Metallic, bbls., Pa., works..lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works, lb. .08½- —
l.c.l., works.....lb. .09¼- —

Petrol.—Shellac

Red, oxide, reduced, 65% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, New Castle, N.Y..lb. .08¼- —
80% copperas oxide, bbls., same basis..lb. .07¾- —
Para, toner, concent., kegs, same basis alizarin lake, contracts..lb. .75 - —
open order.....lb. .80 - —
Persian Gulf oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N. Y..lb. .04¼- .04¾
ex whse., Chicago, St. Louis..lb. .05¾- —
San Fran., Los Ang., Portland, Seattle..lb. .05 - —
Phloxin toner (see Red, Eosin toner).
Phosphotungstic rhodamine Y, kgs..lb. 4.15 - —
Purple lake, kegs.....lb. .60 - 1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis..lb. .03 - —
Toner, kgs.....lb. 1.50 - 2.00
Scarlet ink toner, kgs., same basis alizarin lake..lb. .45 - —
Lake, kgs., same basis alizarin lake..lb. .25 - .30
Spanish oxide, bbls., dlvd..lb. .03½ Nom.
Toluidin toner, kgs., same basis alizarin lake..lb. 1.35 - —
Tuscan, bbls., f.o.b. N. Y., E. St. Louis..lb. .11 - .40
Venetian, bbls., works.....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0255- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls., same basis alizarin lake..lb. .15 - —
English quicksilver, bbls., 500 lb. 1.55 - —
smaller lots.....lb. 1.56 - 1.69
Red dyes are listed under Dyes.
Red precipitate, N. F., powd., fib. dms., 50 lbs. or more..lb. 1.51 - —
Red saunders wood, ground, bbls. lb. .12 - .17
Resorcinol, tech., dms., works.lb. .75 - .80
USP, cryst., bbls., works...lb. 1.50 - 1.55
Rhatany root, bgs.....lb. .09 - .10
Rhodinol, bots. .....lb. 7.60 - 8.60
Rhubarb root, cs.....lb. .40 - .41
powd., bbls., kgs.....lb. .45 - .46
Rochelle salt, cryst., bbls., 5,000 lbs., 1 shipm't..lb. .17¾- —
smaller lots.....lb. .18¼- —
powd., bbls., 5,000 lbs., 1 shipt..lb. .16¾- —
smaller lots.....lb. .17¼- —
Rose flowers, pale, bls.....lb. .25 - .30
Red, bls.....lb. 2.25 - 2.30
Rosemary flowers, bls.....lb. .35 - .40
Leaves, bls.....lb. .05 - .06
Rosin, gum, B, bbls., ex dock, 280 lbs. 4.70 - —
D, bbls.....280 lbs. 4.90 - —
E, bbls.....280 lbs. 4.95 - —
F, bbls.....280 lbs. 5.35 - —
G, bbls.....280 lbs. 5.65 - —
H, bbls.....280 lbs. 5.65 - —
I, bbls.....280 lbs. 5.65 - —
K, bbls.....280 lbs. 5.65 - —
M, bbls.....280 lbs. 5.65 - —
N, bbls.....280 lbs. 6.25 - —
W. G., bbls.....280 lbs. 6.90 - —
W. W., bbls.....280 lbs. 7.60 - —
X, bbls.....280 lbs. 7.60 - —
Rottenstone, dom., bgs., c.l., f.o.b. mines..ton. 35.00 - —
l.c.l., ex whse.....ton. 50.00 - —
import., lump., bbls.....lb. .12 - —
powd., bbls. .....lb. .08½- .10
Rue, bls. .....lb. .21 - .30

S

Sabadilla seed, powd., bbls....lb. .19 - .20
Saccharin, dms., 100 lbs..... lb. 1.70 - —
cns., 25 lbs.....lb. 1.75 - 2.05
Safflower, bls.....lb. .25 - .26
Saffron, Mexican, bls.....lb. .38 - .40
Spanish, tins.....lb. 28.00 -29.00
Safrol, cns.....lb. .52 - .53
dms. .....lb. .50 - .51
Sage, Dalmatian, stemless.....lb. .05¾- .06
garden, bls.....lb. .06¼- .06½
Sago flour, bgs.....lb. .02½- .03¼
Salicin, bots., 5 lbs.....lb. 5.00 - —
cns., 25 lbs.....lb. 4.75 - —
Salol, gran., bbls., 200 lbs.....lb. .90 - —
bxs., 25 lbs.....lb. .93 - —
kgs., 100 lbs.....lb. .90 - —
powd., fib. dms., 25 lbs.....lb. 1.03 - —
kgs., 100 lbs.....lb. 1.00 - —
Salt, rock, bgs., dlvd., N. Y..ton. 12.80 -13.20
l.c.l., bgs., dlvd., N. Y..ton. 15.00 -15.60
vacuum, common, fine, bgs., c.l., dlvd., N. Y..ton. 15.30 -15.70
l.c.l., dlvd., N. Y.....ton. 16.50 -17.00
Saltcake, grd., dom., bbls., works, ton. 19.00 -25.00
bulk, works.....ton. 15.00 - —
import, bulk, c.i.f.....ton. 15.00 -16.00
Chrome (see Chrome cake).
Saltpeter, dbl. refined, cryst., 10-20 tons, bbls..100 lbs. 7.50 - 8.25
1-9 tons.....100 lbs. 7.65 - 8.40
less than ton lots..100 lbs. 7.90 - 8.65
gran., bbls., 10-20 tons, 100 lbs. 6.50 - —
1-9 tons.....100 lbs. 6.65 - —
less than ton lots..100 lbs. 6.90 - —
powd., bbls., 10-20 tons.100 lbs. 7.50 - —
1-9 tons.....100 lbs. 7.65 - —
less than ton lots..100 lbs. 7.90 - —
Santonin, cryst., cns.....lb. 21.00 -22.00
Saponin, crude, cns.....lb. 1.45 - —
purified, bots., 5 lbs.....lb. 1.65 - —
cns., 25 lbs.....lb. 1.50 - —
Sarsaparilla root, Honduras, bls.lb. .42 - .43
Mexican, bls.....lb. .16 - .18
Sassafras, bark, ord., bls.....lb. .13 - .15
select, bls. .....lb. .18 - .20
Savory, bbls.....lb. .07 - .07½
Saw palmetto berries, bgs.....lb. .06½- .07
Scammony root, bgs.....lb. .06 - .07
Schaeffer's salt, bgs.....lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipm't..lb. .13¾- —
smaller lots.....lb. .14¾- —
kegs, 5,000 lbs., 1 shipm't..lb. .14¾- —
smaller lots.....lb. .14⅜- —
Senega root, bls.....lb. .60 - .65
Senna leaves, Alexandria, bls.lb. .10 - .14
Tinnevelly, No. 1, bls.....lb. .09 - .10
2 bls.....lb. .07 - .08
3, bls.....lb. .05 - .06
powd., bbls., bxs.....lb. .09 - .10
siftings, bls.....lb. .10 - .11
Pods, bls.....lb. .05½- .06
Serpentaria root, bls.....lb. .85 - .90
Shellac, bleached, bonedry, bbls., f.o.b., N.Y..lb. .17 - .17½
dlvd. Boston.....lb. .17½- .18
Chicago .....lb. .18 - .18½
Pacific Coast.....lb. .20 - .20½
refd., bbls., f.o.b. N. Y....lb. .23 - .24
dlvd. Boston.....lb. .23½- .24¼
Chicago .....lb. .24 - .25
Pacific Coast.....lb. .26 - .27

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Shellac—Terra Alba

Shellac, Garnet, bgs.....lb. .13½- .14
Orange, D.C., VSO., Diamond, cases..lb. .20 - .21
Shellac, superfine, bgs., f.o.b. Bost., N.Y..lb. .11½- .12
dlvd. Chicago.....lb. .12 - .12½
Pacific Coast.....lb. .15 - .16
T.N., bgs., f.o.b. Bost.....lb. .11 - .11½
dlvd. Chicago.....lb. .11¼- .12
Pacific Coast.....lb. .14 - .14½
Shellac varnish, orange, 5-lb. cut, bbls..lb. .85 - .95
4½-lb. cut, bbls.....gal. .80 - .90
4-lb. cut, bbls.....gal. .75 - .85
white, 5-lb. cut, bbls.....gal. 1.00 - 1.10
4½-lb. cut, bbls.....gal. .95 - 1.05
4-lb. cut, bbls.....gal. .90 - 1.00
Silica, amorph., dry-grd., 95-97%, 325 mesh,bgs. c.l.,works.ton.17.00 - —
l.c.l., 2½ tons.works.ton.19.00 - —
smaller lots, works.ton.20.00 - —
wet-grd., 95-97%, 325 mesh, bgs., c.l., works..ton.18.00 - —
l.c.l., 2½ tons,works.ton.19.50 - —
smaller lots, works.ton.21.00 - —
400 mesh, bgs., c.l., works, ton.23.00 - —
l.c.l., 2½ tons,works.ton.26.50 - —
smaller lots, works.ton.28.00 - —
96-98%, 3.25 mesh., bgs., c.l., works..ton.20.00 - —
l.c.l., 2½ tons,works.ton.21.50 - —
smaller lots, works.ton.23.00 - —
99%, 325 mesh, bgs., c.l., works..ton.22.00 - —
l.c.l., 2½ tons,works.ton.25.50 - —
smaller lots.....ton.27.00 - —
hard-quartz, 140 mesh, bgs., c.l., works..ton.11.00 - —
l.c.l., works.....ton.16.00 - —
Silver bullion.....oz. .42⅝- —
Govt. purchase.....oz. .6464- —
Nitrate, vis.....oz. .31½- .33½
Nucleinate, bots., cns., 480 ozs., oz. .30 - .31
Proteinate, bots., cns., 480 ozs., oz. .29 - .30
Simaruba bark, bls.....lb. .27 - .28
Skatol, bots.....lb.75.00 -80.00
Skullcap, Eastern, bls.....lb. .30 - .35
Western, bls.....lb. .18 - .20
Skunk cabbage root, bls.....lb. .20 - .22
Slate flour, bgs., c.l., works..ton. 9.00 - —
l.c.l., works.....ton.10.00 -15.00
Sloe berries, bgs.....lb. .09 - .10
Smalt, black, extra velvet, ctns. lb. .05 - .08
Blue, cts.....lb. .07 - .08½
Snakeroot, Canad., bls.....lb. .24 - .28
Soapbark, bls.....lb. .07 - .08
crushed, bls., bbls.....lb. .11 - .12
cut, bls., bbls.....lb. .09 - .10
powd., bbls. .....lb. .13 - .14
Soda, abietate, dms.....lb. .10 - —
Acetate, anhyd., dms., dlvd..lb. .08¼- —
flake, gran., powd., 60%, dms., c.l., dlvd..lb. .04 - —
l.c.l., dlvd. ....lb. .04½- .05
Alginate, dms.....lb. .69 - —
Antimoniate, bbls.....lb. .12⅝- .12¾
Arsenate, dms., dealers, c.l., works..lb. .06 - —
l.c.l., dms., works.....lb. .06½- —
Arsenite, dry, gray, dms., c.l., dealers' works..lb. .07½- .09½
l.c.l., dms., works.....lb. .08 - .10
white, dms., c.l., dealers' works..lb. .09 - .13
l.c.l., dms., works.....lb. .09½- .13½
liquid, dms., works.....gal. .30 - .33
powd., bbls.....lb. .13 - .14
Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.

Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.10 - —
l.c.l., Zone 1.....100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.33 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works...100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l., works..100 lbs. .95 - —
extra light, 58%, bgs., c.l.... 100 lbs. 1.08 - —
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., Zone 1..100 lbs. 1.45 - —
58%, bbls., c.l., Zone 2. 100 lbs. 2.60 - —
3 .....100 lbs. 2.85 - —
4 .....100 lbs. 3.25 - —
l.c.l., Zone 1.....100 lbs. 2.45 - —
bulk, c.l.....100 lbs. .90 - —
light, 58%, bgs., c.l., works. 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., works....100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —
Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1, E. of Miss. R., but including Davenport and St. Louis, to S. bndry. of Va. and Ky., N. E. States (in Me., N. H., Vt.), special local prices apply for shipts, to various counties; Zone 2, Ala., Fla., Ga., Iowa (except Davenport), E. Kan. (incl. Wichita), Minn., Miss., Mo. (except St. Louis), N. C., Omaha, S.C., Tenn.; Zone 3, Ark., Kan. (W. of Wichita), La., Neb. (except Omaha), N.D., Okla., S.D., Tex. (except El Paso); Zone 4, Ariz., Colo., El Paso (Tex.), Idaho, Mont., Nev., N.M., Spokane, Utah, Wyo.; Zone 5, Calif., Ore., Wash. (except Spokane).

Benzoate, tech., bbls., 4,000 lbs. or more..lb. .39 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .43 - —
USP, bbls., 4,000 or more..lb. .46 - —
1,000 to 3,900 lbs.....lb. .47 - —
900 lbs. or less.....lb. .50 - —
dms, 4,000 lbs., or more..lb. .47 - .48
1,000 to 3,900 lbs.....lb. .48 - .49
900 lbs. or less.....lb. .51 - .52
Bicarbonate, gran., bbls., c.l., works..100 lbs. 2.25 - —
powd., bbls., c.l., works, 100 lbs. 1.85 - —
l.c.l., dlvd. N. Y...100 lbs. 2.51 - —
kgs., c.l.....100 lbs. 2.10 - —
l.c.l., dlvd. N. Y...100 lbs. 2.76 - —
Bichromate, spot, c.l., works, lb. .06⅞- —
6 cks, or 10 bbls. or over, works..lb. .07 - —
5 cks, or 9 bbls. or less, works..lb. .07½- —
Bifluoride, bbls.....lb. .12½- .15
Bisulphite, powd., bbls., c.l., bbls., wks.....100 lbs. 3.30 - 3.55
l.c.l., works.....100 lbs. 3.50 - 3.60

Soda, bisulphite solution, 32 deg., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works..100 lbs. 1.55 - —
33 deg., bbls., c.l., works, 100 lbs. 1.35 - —
l.c.l., bbls., works.100 lbs. 1.60 - —
35 deg., bbls., c.l., works, 100 lbs. 1.40 - —
l.c.l., bbls., works.100 lbs. 1.65 - —
40 deg., bbls., works.100 lbs. 1.55 - —
l.c.l., bbls., works.100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs..lb. .31 - —
fiber drms., 100 lbs.....lb. .32 - —
Cacodylate, bots., 5 lbs.....lb. 5.81 - —
jars, 25 lbs.....lb. 5.50 - —
Carbonate (see Soda ash, soda monohydrated, soda, sal)
Caustic, flake, 76%, 1, gr., powd., ammon. process, bbls., c.l., works..100 lbs. 2.70 - —
dms., c.l., works...100 lbs. 2.70 - —
l.c.l., Zone 1....100 lbs. 3.55 - 4.90
2 .....100 lbs. 3.70 - 5.05
3 .....100 lbs. 3.95 - 5.30
4 .....100 lbs. 4.35 - 5.70
electro process, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., same zone prices as ammonia process.
liquid, 47-49% buyer's tanks, works..100 lbs. 1.95 - —
seller's tanks, works, 100 lbs. 1.97½- —
70%, buyer's tanks, works, 100 lbs. 1.97½- —
seller's tanks, works, 100 lbs. 2.00 - —
solid, 76%, ammon. process, dms., c.l ,works..100 lbs. 2.30 - —
l.c.l., Zone 1....100 lbs. 3.15 - —
2 .....100 lbs. 3.30 - —
3 .....100 lbs. 3.55 - —
electro process, dms., c.l., works..100 lbs. 2.30 - —
l.c.l., same zone prices as ammon. process.
Caustic soda l.c.l. prices are on the same basis as those for soda ash. The sales zones are also the same,
Chlorate, dom., cryst., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .08⅛
Citrate, U.S.P., VIII, gran., bbls..225 lbs. .20 - —
cns., 50 lbs.....lb. .22 - —
25 lbs.....lb. .24 - .25
kgs., 100 lbs.....lb. .21 - —
USP X, gran., bbls., 250 lbs. lb. .26½- —
cns., 50 lbs.....lb. .28½- —
25 lbs.....lb. .30½- .31½
kgs. 100 lbs.....lb. .27 - —
U.S.P., X, powd., bbls., 250 lbs..lb. .27 - —
cns., 50 lbs.....lb. .29 - —
25 lbs.....lb. .31 - .32
kgs., 100 lbs.....lb. .28 - —
Cyanide, 96-98%, dom., dms..lb. .14 - .15
import., cs.....lb. .12¾- .13¾
Diacetate, 33-35% acidity, bbls., dlvd..lb. .09 - —
Fluoride, white, 90%, bbls., c.l., f.o.b. Phila..lb. .07¼- —
l.c.l., 10 or over, same basis..lb. .07¾- —
5-9, same basis.....lb. .08¼- —
1-4, same basis.....lb. .08¾- —
95%, bbls., c.l., same basis, lb. .07½- —
l.c.l., 10 or over, same basis..lb. .08- —
5-9 same basis.....lb. .08¼- —
1-4, same basis.....lb. .08¾- —
Soda fluoride prices at Los Angeles are f.a.s. Phila.
Glycerophosphate, N. F., cryst., bbls., 1,000-lb. lots..lb. 1.00 - —
smaller lots.....lb. 1.15 - —
cns., 25 lbs.....lb. 1.40 - —
powd., bbls., 1,000-lb. lots.. lb. 1.05 - —
smaller lots.....lb. 1.20 - —
cns., 25 lbs.....lb. 1.45 - —
Hydrosulphite, bbls.....lb. .16 - .17
Hydroxide, USP., sticks, cns., 160 lbs..lb. .23 - .24
Hypophosphite, N.F., cns.... 100 lbs..lb. .67 - —
Hyposulphite, cryst., large, bgs, c.l., wks, frt. equal'd, 100 lbs. 2.25 - —
bbls., same basis..100 lbs. 2.45 - —
l.c.l., bgs., wks, frt. equal'd 100 lbs. 2.50 - —
bbls., same basis..100 lbs. 2.70 - —
100 lbs. 2.40 - 2.65
pea, bgs., c.l., works..100 lbs. 2.60 - —
bbls., works.....100 lbs. 2.80 - —
dms., works.....100 lbs. 3.10 - —
5,000 lbs. and over, bgs., wks..100 lbs. 2.75 - 3.00
bbls., wks.....100 lbs. 2.95 - 3.20
dms., wks.....100 lbs. 3.25 - 3.60
2,500 to 5,000 lbs., bgs., wks..100 lbs. 2.85 - 3.10
bbls., wks.....100 lbs. 3.05 - 3.30
dms., wks.....100 lbs. 3.35 - 3.60
500 to 2,500 lbs., bgs., wks., 100 lbs. 3.10 - 3.35
bbls., wks.....100 lbs. 3.30 - 3.55
dms., wks.....100 lbs. 3.60 - 3.85
less than 500 lbs., bgs., wks, 100 lbs. 3.70 - 3.95
bbls., wks.....100 lbs. 3.90 - 4.15
dms., wks.....100 lbs. 4.20 - 4.45
Iodate, jars.....lb. 5.02 - 5.07
Iodide, jars.....lb. 1.90 - 1.95
Mandelate, bots., 5 lbs.....lb. 3.30 - —
fib dms., 25 lbs.....lb. 3.15 - —
Metanilate, kgs.....lb. .41 Nom.
Metasilicate, ground, dms., c.l., works..100 lbs. 3.15 - —
l.c.l., works.....100 lbs. 3.40 - —
cryst., dms., c.l.....100 lbs. 2.90 - —
gran., bbls., c.l., works.100 lbs. 2.20 - —
Molybdate, kgs., wks.....lb. .60 - —
less kgs.....lb. .65 - —
Monohydrated, bbls.....100 lbs. 2.60 - —
works .....100 lbs. 2.30 - —
Naphthenate, bbls.....lb. .19 - —
Naphthionate, bbls.....lb. .52 - .54
Nitrate, crude, c.l., 100-lb. bgs., May-June delivery, f.o.b. cars producing point or ports, rail or boat shipment..ton.29.00 - —
200-lb. bgs., same basis... ton.28.30 - —
bulk, same basis.....ton.27.00 - —
rfd., gran., bbls., 10 tons.. 100 lbs. 2.50 - —
1-9 tons.....100 lbs. 2.65 - —
smaller lots.....100 lbs. 2.90 - —
pwd., bbls., ton lots.100 lbs. 5.65 - —
smaller lots.....100 lbs. 5.90 - —
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized..lb. .06⅝- —
c.l., West Coast, f.o.b. f.o.b. ports..lb. .08 - —
l.c.l. .....lb. .08¼- .11¼
Soda nitrite l.c.l. price range represents delivery at various points.
Oxalate, neut., bbls.....lb. .09 - —
kgs. .....lb. .11 - —
Perborate, N.F., bbls., c.l., works..lb. .14⅝- —
l.c.l. works.....lb. .15¼- —

Soda, phosphate, dibasic, tech., bgs., c.l., works..100 lbs. 1.85 - —
c.l., works..100 lbs. 1.85 - —
l.c.l., works.....100 lbs. 2.25 - —
bbls., c.l., works...100 lbs. 2.05 - —
l.c.l., works.....100 lbs. 2.40 - —
monobasic, anhyd., bbls., c.l., 100 lbs. 7.45 - —
l.c.l. .....100 lbs. 8.20 - —
tribasic, bgs., c.l., works.. 100 lbs. 2.00 - —
l.c.l., works.....100 lbs. 2.40 - —
bbls., c.l., works...100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.60 - —
kgs., c.l., works....100 lbs. 2.70 - —
l.c.l., works.....100 lbs. 3.10 - —
Picramate, kgs.....lb. .05 - —
Prussiate, yellow, bbls., works, lb. .09½- .10
Pyrophosphate, anhyd., c.l. bgs. 100 lbs, 8.00 - —
bbls. .....100 lbs. 8.20 - —
l.c.l., bgs.....100 lbs. 8.80 - 9.05
bbls. .....100 lbs. 9.00 - 9.25
crystals, bgs.....100 lbs. 7.80 - —
bbls, ...100 lbs. 8.00 - —
l.c.l., bgs.....100 lbs. 8.30 - 8.55
bbls. .....100 lbs. 8.50 - 8.75
Soda pyrophosphate annydrous and crystal prices are delvd.—Me., N. H., Vt., Mass., Conn., N. J., N. Y., R. I., Del., Md., D. of C., and Pa., east of Altoona. Other territory, f.o.b. works, for equalized with producing points.
Ricinoleate, tech., bbls.....lb. .12 - —
Sal, bgs., dlvd., N. Y....100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., dlvd. N. Y.....100 lbs. 1.30 - —
works .....100 lbs. 1.10 - —
Salicylate, bxs.....lb. .52 - —
Sesquisilicate, dms., c.l., works. 100 lbs. 3.00 - —
20 dms. and up, dlvd.N.Y.C. 100 lbs. 3.05 - —
5-19 dms.....100 lbs. 4.10 - —
1-4 dms.....100 lbs. 4.30 - —
Silicate, 40° turbid., dms., c.l., works..100 lbs. .80 - —
l.c.l., 5 or more, works.. 100 lbs. 1.05 - —
1-4, works.....100 lbs. 1.20 - —
52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., 5 or more, works.. 100 lbs. 1.65 - —
1-4, works.....100 lbs. 1.80 - —
Silicofluoride, dom., bbls.....lb. .05¾- .06
import., bbls. .....lb. .05 - .05¼
Stannate, dms.....lb. .26 - .29
Stearate, lump, powd., bbls., works..lb. .19 - .24
Sulphate, anhyd., bgs., bbls., c.l., works.....100 lbs. 1.45 - 1.65
5 tons or over, works..... 100 lbs. 1.70 - 1.90
less than 5 tons, works... 100 lbs. 1.95 - 2.15
cryst. (see Glauber's salt).
Sulphide cryst., bbls., c.l., works..100 lbs. 2.25 - —
l.c.l., 5 tons or over, dlvd. 100 lbs. 2.75 - —
less than 5 tons, dlvd.. 100 lbs. 3.00 - —
solid, bbls., c.l., works.100 lbs. 3.00 - —
l.c.l., 5 tons or over, dlvd. 100 lbs. 3.50 - —
less than 5 tons, dlvd. 100 lbs. 3.75 - —
Sulphite, cryst., bgs., works.. 100 lbs. 2.10 - 2.35
bbls. .....100 lbs. 2.30 - 2.55
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l., 5 or more...100 lbs. 5.50 - —
1-4 .....100 lbs. 6.00 - —
Sulphocarbolate, cs.....lb. .27 - .28
Sulphocyanide, dms., cns....lb. .28 - .47
Sulphoricinoleate, bbls.....lb. .12 - —
Thiosulphate (see hyposulphite).
Tungstate, CP, kgs.....lb. 2.00 - 2.10
tech., kgs.....lb. 1.30 - 1.35
Solvent, water-white, dms., wks. gal. .31 - —
tanks E. of Omaha, frt. alld. gal. .26 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .26 - —
Sorbitol, com'l, solut., dms., c.l., works..lb. .18 - —
l.c.l. .....lb. .19- —
Sparteine sulphate, cns.....oz. 1.00 - 1.05
Spearmint leaves, bls.....lb. .19 - .20
Spikenard root, bls.....lb. .12 - .13
Spruce extract, bbls., works...lb. .01⅝- —
tanks, works.....lb. .01¼- —
powd., bgs.....lb. .04 - —
super, bbls., works.....lb. .01⅞- —
tanks, works.....lb. .01¾- —
Squawvine leaves, bls.....lb. .16 - .17
Squill red, bls.....lb. .14 - .15
White, bls.....lb. .06 - .07
powd., bbls., bxs.....lb. .12 - .13
St. Ignatius beans, bgs.....lb. .45 - .50
St. John's bread, bls.....lb. .06½- .07
Starch, corn, pearl, bgs., f.o.b. Chicago..100 lbs. 2.65 - 2.85
dlvd., N. Y.....100 lbs. 3.00 - 3.20
powd., bgs., f.o.b. Chicago, 100 lbs. 2.75 - 2.95
dlvd., N. Y.....100 lbs. 3.10 - 3.30
Potato, dom., bgs.....lb. .04 - .05
import, bgs.....lb. .05 - .06
Rice, bbls.....lb. .06¼- .07¼
Wheat, thick boil, bbls.....lb. .06¼Nom.
Staveacre seed, bgs. .....lb. .17 - .18
Stearin, oleo, bbls.....lb. .05¾- .06
Stillingia root, bls..... .....lb. .09 - .10
Stoneroot, bls.....lb. .07½- .08
Storax, cs.....lb. .48 - .49
Stramonium leaves, bls.....lb. .10¼- .12
Seed, bgs.....lb. .09 - .10
Strontium bromide, fib, dms..lb. .57 - .58
kgs., 150 lbs.....lb. .55 - —
Carbonate, N.F., IV, 250-lb. bbls..lb. .30 - —
25-lb. bxs.....lb. .35 - —
100-lb. kgs.....lb. .32 - —
Chloride, bbls.....lb. .13½- —
Iodide, jars, 25 lbs.....lb. 2.70 - —
bots., 5 lbs.....lb. 2.75 - —
Nitrate, dom., bbls., c.l., works..lb. .08¼- —
25 bbls. and over.....lb. .08¾- —
1-4 bbls. and over.....lb. .09¼- —
import, bbls.....lb. .08¼- .09¼
Strophanthus seed, Kombe, bgs.lb. 1.20 - 1.25
Strychnine, cryst., cns., 100-oz. lots..oz. .39 - —
powd., cns., 100-oz. lots...oz. .29 - —
Acetate, 25-oz. cns., 100-oz. lots..oz. .57 - —
Arsenate, 25-oz. cns., 100-oz. lots..oz. .60 - —
Arsenite, 25-oz. cns., 100-oz. lots..oz. .57 - —
Glycerophosphate, 25-oz. cns., 100-oz. lots..oz. .59 - —
Hydrochloride, 25-oz. cns., 100-oz. lots..oz. .57 - —
Hypophosphite, 25-oz. cns., 100-oz. lots..oz. .68 - —
Nitrate, 25-oz. cns., 100-oz. lots..oz. .50 - —
Phosphate, 25-oz. cns., 100-oz. lots..oz. .59 - —
Sulphate, cryst., cns., 100-oz. lots..oz. .35 - —
powd., cns., 100-oz. lots. oz. .25 - —
Styralyl acetate, bots.....lb. 6.75 - 7.00
Sucrose octa-acetate, denat., grade, bbls., l.c.l., works..lb. .45 - —
tech., bbls., l.c.l., works....lb. .40 - —

Sugar coloring, bbls.....gal. .70 - 1.10
Milk., bbls., c.l.....lb. .15 - —
l.c.l., 10 or over.....lb. .16 - —
less than 10.....lb. .17 - —
Sulfanilamide, 5 lb. bots.....lb. 1.90 - —
fib., dms., 1,000 lbs.. 1 delivery, lb. 1.50 - —
100 lbs.....lb. 1.55 - —
Sulphonethylmethane, kgs.....lb. 6.75 - 6.80
Sulphonmethane, kgs.....lb. 5.25 - 5.30
Sulphur, crude, bulk, 1,000 tons, mines, contracts, long ton.18.00 - —
c.l., spot, nearby, long ton.21.00 - —
ex vessel, Balto., N. Y., Phila., Southern ports. long ton..22.00 -25.00
Bost., Portland..long ton.22.50 -25.50
flowers, bgs., c.l., works.100 lbs. 3.00 - —
bbls., works.....100 lbs. 3.25 - —
l.c.l., bgs., works...100 lbs. 3.25 - 3.75
bbls., wks.....100 lbs. 3.70 - 4.10
refined, broken, bgs., c.l., works. 100 lbs. 2.15 - —
bbls., works.....100 lbs. 2.30 - —
l.c.l., bgs., works...100 lbs. 2.50 - 2.90
bbls., works.....100 lbs. 2.65 - 3.05
flour, comm'l, bgs., c.l., works, 100 lbs. 1.65 - —
bbls., c.l., works..100 lbs. 1.95 - —
l.c.l., bgs., works..100 lbs. 1.95 - 2.35
bbls., works.....100 lbs. 2.60 - 2.70
extra fine, bgs., c.l., works, 100 lbs. 2.85 - —
bbls., works.....100 lbs. 3.20 - —
heavy, bgs, c.l., works.100 lbs. 2.55 - —
bbls., works.....100 lbs. 2.90 - —
l.c.l., bgs., works..100 lbs. 2.90 - 3.30
bbls., works....100 lbs. 3.25 - 3.65
light, bgs., c.l., works..... 100 lbs. 2.65 - —
bbls., works....100 lbs. 3.00 - —
l.c.l., bgs., works..100 lbs. 3.00 - 3.40
bbls., works....100 lbs. 3.35 - 3.75
rock, virgin, bbls., c.l., works, 100 lbs. 2.30 - —
l.c.l., bbls., works.100 lbs. 2.15 - —
roll, bgs., c.l., works..100 lbs. 2.35 - —
bbls., works.....100 lbs. 2.50 - —
l.c.l., bgs., works..100 lbs. 2.70 - 3.10
bbls., works....100 lbs. 2.85 - 3.25
Chloride, 55-gal. dms., c.l....lb. .03 - —
l.c.l., dms., works....lb. .04 - —
10-gal. dms., c.l.....lb. .07 - —
l.c.l. .....lb. .08 - —
Dioxide, liq., com'l, cyls., works..lb. .07 - .09
multi-unit cars, works..lb. .04½- .07
tanks, works.....lb. .04 - .05
refrigeration, cyls., works.lb. .16 - .40
multi-unit cars, works..lb. .07½- .10
Iodide bots., jars.....lb. 3.80 - 3.85
Sumac, grd., Sicilian, bls....ton.64.00 - —
leaf, bales.....ton.67.00 - —
Extract, 42°, bbls.....lb. .05¼- .06¼
51°, bbls.....lb. .06½- .06¾
stainless, bbls.....lb. .06½- .08½
Sunflower seed, Calif., large, bgs., lb. .0590- .0600
medium, bgs. .....lb. .04½- .05
poultry, bgs.....lb. .03½- .04
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Balto. ton. 8.50 - —
run-of-pile, basis 16%, bulk, same basis..ton. 8.00 - —
triple, 44-45%, a.p.a. bulk, f.o.b. Balto..unit-ton. .75 - —

T

Talc, dom., Calif., 1, bgs., c.l., mills..ton.20.00 - —
2, bgs., c.l., mills.....ton.17.00 - —
N. Y., fibrous, 93-94%, 325 mesh, bgs., c.l., mills, ton.14.00 - —
l.c.l., mills.....ton.16.00 - —
96-98%, 325 mesh, bgs., c.l., mills...ton.15.00 - —
l.c.l., mills.....ton.17.00 - —
99-99½%, 325 mesh, bgs., c.l., mills..ton.15.25- —
l.c.l., mills.....ton.17.25 - —
99.65-99.95%, 325 mesh, bgs., c.l., mills...ton.17.00 - —
coarse, off color, bgs., c.l., mills..ton.11.00 -13.00
Ohio, alum-magn. type, grd., bgs., c.l., mills..ton.21.00 - —
l.c.l., mills.....ton.24.50 - —
Vermont, bgs., c.l., mills. ton.14.00 - —
l.c.l., ex whse.....ton.25.00 - —
Canad., bgs., c.l., mills...ton.11.50 -13.00
French, high-grade, bgs., l.c.l., ex whse..ton.45.00 -60.00
ordinary, bgs., c.l., ex dock, arrival..ton.23.00 -25.00
l.c.l., ex whse.....ton.27.50 -32.50
Italian, 1, bgs., ex dock, arrival..ton.65.00 -67.00
ex whse.....ton.65.00 - —
2, bgs., ex dock, arrival.ton.60.00 -62.00
Tallow, animal, edible, bbls...lb. .06 Nom.
extra, loose, works.....lb. .04⅞- —
special, loose, works.....lb. .04⅜- —
sulphonated 50% (24% fat), dms., c.l..lb. .05 - .05½
l.c.l .....lb. .06 - .06½
50% (43% fat) dms., c.l..lb. .06½- .07
l.c.l. .....lb. .07½- .08
50% (48% fat), dms., c.l..lb. .07 - .07½
l.c.l. .....lb. .08 - .09
Tamarind, W. I., bbls.....lb. .06 - .06½
kegs .....keg. 5.00 - 5.25
Tankage, animal, dom., grd., 10-12%, ammon., 15-20% b.p.l., bulk..unit-ton. 2.50 & .10
unground, 9-11% ammon., 15-20% b.p.l., bulk..... unit-ton. 2.50 & .10
fertilizer grade, 10-11% ammon., 15% b.p.l., bulk, Chicago..unit-ton. 2.25 & .10
high-grade feeding, bulk, Chicago..unit-ton. 2.25 - 2.35 & .10
import., S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.i.f. ports ship. unit-ton. 2.90 & .10
Tansy leaves, bls.....lb. .18 - .19
Tapioca, flour, bgs.....lb. .02 - .05½
Tar acid oil, 15%, dms., c.l., works..gal. .22½- —
l.c.l., same basis.....gal. .25½- —
25%, dms., c.l., works....gal. .26½- —
l.c.l., same basis.....gal. .29½- —
Pine, retort, dms., c.l., dlvd. E. cities..gal. .24 - —
dlvd., ports.....gal. .25 - —
l.c.l. .....gal. .26 - —
tanks, dlvd. E. cities....gal. .20 - —
Tartar emetic tech., fine gran., bbls., 5 or more..lb. .26¾- —
less than 5.....lb. .27 - —
powd., bbls., 5 or more..lb. .26¾- —
less than 5.....lb. .27 - —
USP, powd., bbls.....lb. .32 - .32½
Terebene, cans.....lb. .70 - .75
Terpinyl acetate, cns.....lb. .77 - 1.00
Terpin hydrate, kgs.....lb. .45 - .46
Terpineol, CP, cns.....lb. .25 - —
dms. .....lb. .23 - —
Terpineol, alpha, denat. grade, dms., c.l., wks., net wgt..lb. .17 - —
Terra alba (see Gypsum).

Tetrachloroethane, dms., works..lb. .06 - .06½
Tetrachloroethylene, CP, dms..lb. .21½- —
tech., dms.....lb. .09½- —
Tetralin, dms.....lb. .12 - —
Thallium sulphate, 90% pure, dms. works..lb. 7.25 - 7.50
Theobromine, cns.....lb. 2.10 - 2.40
Sodiosalicylate, cns.....lb. 1.75 - 1.85
5-lb. bots.....lb. 2.01 - —
Thiocarbanilide, dms.....lb. .24 - —
Thorium nitrate, cs., works...lb. 2.00 - —
Thyme, French, bls.....lb. .17 - .17½
Thymol, dms., 100 lbs.....lb. 1.70 - —
cns., 25 lbs.....lb. 1.55 - —
Iodide, kgs., 50 lbs.....lb. 3.15 - 3.20
25 lbs.....lb. 3.25 - 3.30
Tin crystals, bbls., kgs.....lb. .31½- .32
Metal, Straits.....lb. 36.00 - —
Oxide, bbls.....lb. .44 - .46
Tetrachloride, anhyd., bbls...lb. .19 - —
Titanium, dioxide, bgs., c.l. (20 tons), E. frt. alld..lb. .16 - —
Pac, cst., f.o.b. terminals, lb. .16 - —
l.c.l., 1,000-39,999 lbs., E. dlvd..lb. .16½- —
Pac. cst., ex whse...lb. .16½- —
50-999 lbs., E, dlvd.....lb. .16¾- —
Pac. cst., ex whse....lb. .16¾- —
under 50 lbs., E. dlvd..lb. .19 - —
Pac. cst., ex whse....lb. .19 - —
bbls., c.l. (20 tons), E. frt. alld..lb. .16¼- —
l.c.l., 1,000-39,999 lbs., E. dlvd..lb. .16¾- —
50-999 lbs., E. dlvd.....lb. .17 - —
phthalate-treated, bgs., c.l., (20 tons) E. frt. alld..lb. .24 - —
Pac. cst., f.o.b. terminal..lb. .24 - —
l.c.l., 1,000-39,999 lbs., E. dlvd..lb. .24½- —
Pac. cst., ex whse..lb. .24½- —
50-999 lbs., E. dlvd.....lb. .24¾- —
Pac. cst., ex whse..lb. .24¾- —
under 50 lbs.....lb. .27 - —
bbls., c.l. (20 tons) E. frt. alld..lb. .24¼- —
l.c.l., 1,000-39,999 lbs., E. dlvd..lb. .24¾- —
50-999 lbs., E. dlvd...lb. .25 - —
pigment, barium, calcium, or magnesium base, c.l., E. frt. all.....lb. .05½- —
Pac. cst., f.o.b. terminal, lb. .05¾- —
l.c.l., E. dlvd.....lb. .06¼- —
Pac. cst., ex whse..lb. .06¼- —
under 50 lbs., E. dlvd.lb. .06¾- —
bbls., c.l., E., frt. alld...lb. .06¼- —
l.c.l., E., dlvd.....lb. .06¾- —
Toludin base, kgs.....lb. .88 - .90
distilled, kgs.....lb. .95 - 1.00
Tolu, balsam, cns.....lb. .44 - .45
Toluidin, mixed, dms.....lb. .26 - —
Toluol (toluene), pure, dms., works..gal. .27 - —
tanks, E. of Omaha, frt. alld. gal. .22 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .22 - —
nitration, dms., wks., gal..... .31 - —
tanks, E. of Omaha, frt. alld. gal. .26 - —
Tonga vine, NF, bls.....lb. .26 - .27
root, bls.....lb. .30 - .31
Tonka beans, Angostura, cks..lb. 2.40 - 2.50
Triacetin, dms.....lb. .26 - —
Triamyl borate, dms., l.c.l., works..lb. .27 - —
Triamylamine, dms., c.l., works, lb. .77 - —
l.c.l., works.....lb. .80 - —
Tributylamines, dms., l.c.l., works lb. .70 - —
Trichloroethylene, dms., c.l., works, frt. alld. Zone A..lb. .09 - —
l.c.l., dms. .....lb. .095 - —
Zone B, c.l.....lb. .105 - —
l.c.l., dms.....lb. .110 - —
Zone C, dms., l.c.l.....lb. .105 - —
Zone A is East of the Rockies; B takes in Rocky Mountain States, and Zone C represents Pacific Coast States.
Tricresyl phosphate, CP, cns., dlvd..lb. .42 - .58
dms., c.l., dlvd.....lb. .36 - —
500 lbs., dlvd.....lb. .39 - —
tech., l, dms., c.l.....lb. .24½- —
500 lbs., dms.....lb. .25 - —
less than 500 lbs., dms.lb. .28 - .89
2, dms., c.l.....lb. .23½- —
500 lbs., dms.....lb. .24 - —
less than 500 lbs.....lb. .27 - .88
Triethanolamine, dms., c.l., works, lb. .21 - —
l.c.l., works.....lb. .22 - —
tanks, works.....lb. .20 - —
Triethyleneglycol, dms., l.c.l., works..lb. .26 - —
Triethyl phosphate, dms., dlvd., lb. .45 - —
Triphenyl phosphate, dms.....lb. .38 - —
Tripoli, air-floated, bgs., c.l., works..ton.26.00 - —
double-grd., bgs., c.l., works, ton.16.00 - —
once-grd., bgs., c.l., works..ton.14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal, powd., 99%, dms., wks..lb. 2.80 - 3.10
Oxide, CP, kgs.....lb. 2.90 - 3.00
tech., kgs. .....lb. 2.10 - 2.20
Turmeric root, Alleppey, bgs..lb. .05¼- .05¾
Madras, bgs.....lb. .06¼- .06¾
Turpentine, spirits, gum, bbls., c.l., ex dock..gal. .28½- —
l.c.l., 10, ex dock.....gal. .30½- —
5, ex dock.....gal. .32½- —
wood, dest.-dist., dms., c.l., dlvd. E. cities, ports...gal. .36 - —
l.c.l., same basis...gal. .38 - —
tanks, dlvd. E. cities..gal. .33 - —
steam-dist., dms., c.l., dlvd.gal. .27 - —
l.c.l., dlvd.....gal. .30 - —
tanks, dlvd.....gal. .22 - —

U

Unicorn root, false (see Helonias root). True (see Aletris root).
Uranium oxide, kgs.....lb. 1.50 - —
Urea, dom., 46 + % N, bgs., 5 tons, f.o.b. Atl. ports or Belle, W. Va..ton.95.00 - —
smaller lots, f.o.b. Belle, W. Va..ton.95.00 - —
f.o.b. N. Y.....ton.101.00 - —
import, 46% N, bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., shipt.ton.95.00 - —
smaller lots, f.o.b. N. Y. from whse.101.00 - —
pure, cs. .....lb. .14½- .15½
Urea-ammonia liquor 65% ammon., tanks, f.o.b. Belle, W. Va., or Atl., Gulf ports, NH_3 unit. 1.04 - —
Uva ursi leaves, bls.....lb. .10 - .11

V

Valerian root, bls.....lb. .09½- .10
Valonia, beards, bgs., shipt..ton.47.00 - —
Cups, bgs., shipt.....ton.33.00 -35.00
extract, powdered, 63%.....lb. .06 - —
Vanilla beans, Bourbon, tins..lb. 3.35 - 3.75
Mexican, tins.....lb. 4.25 - 4.50
cut, tins.....lb. 3.35 - 3.75
South American, tins.....lb. 3.60 - 3.75
Vanillin, ex eugenol, 25-lb. tins, lb. 2.60 - 2.85
5-lb.tins .....lb. 2.70 - 2.95
Vanillin, ex guaiacol, 10c. per lb. less.
Venice turpentine, true, cs....lb. .42 - .44
Verdigris, bbls., kgs.....lb. .22 - .23
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.).

W

Wahoo root bark, bls.....lb. .45 - .47
Tree bark, bls.....lb. .22 - .23
Wattle bark, bgs., shipt.....ton.39.75 -41.75
Extract, bbls. .....lb. .04½- —
Wax, bayberry, import, bgs...lb. .16½- .17
Bees, white, bleach, slabs, cs., 500 lbs. .37 - .39
yellow, crude, Africa, bgs., lots of 10..lb. .24 - .25
1 bg.....lb. .24½- .25½
Brazil, Chile, bgs., 5-10 tons, lb. .25½- .26
1 ton.....lb. .26 - .26½
500 lbs.....lb. .26½- .27
100 lbs.....lb. .27 - .27½
refd., slabs., cs., lbs...lb. .33 - .33½
Candelilla, bgs., 1 ton.....lb. .14½- .15
jobbing lots .....lb. .15 - .15½
Carnauba, No. 3, bgs., chalky, 1 ton..lb. .31½- .32
5 bgs .....lb. .32 - .32½
1 bg .....lb. .32½- .33
N. C. 2, bgs.....lb. .35½- .36
N. C. 3, bgs., 1 ton.....lb. .31½- .32
5 bgs. .....lb. .32 - .32½
1 bg. .....lb. .32½- .33
refined, bgs. .....lb. .35 - .35½
yellow, No. 1, bgs., 1 ton..lb. .37 - .37½
5 bgs. .....lb. .37½- .38
1 bg. .....lb. .38 - .38½
No. 2, bgs.....lb. .36 - .36½
Ceresin, dom., 138°140° m.p., bgs., 1 ton..lb. .08½- —
jobbing lots .....lb. .09½- —
150°-160° m.p., bgs., 1 ton.lb. .09½- —
jobbing lots .....lb. .10½- —
160° m.p., bgs., 1 ton.....lb. .10½- —
jobbing lots .....lb. .11½- —
Japan, cs.....lb. .10 - .10¼
Montan, bgs., c.l.....lb. .11 - —
5 tons .....lb. .11¼- .11½
less than 1 ton.....lb. .11½- .12
Ozokerite, hard green, congeal p. 66°-68° C., bgs..lb. 62 Nom.
70°-72° C., bgs.....lb. .35 Nom.
74°-76° C., bgs.....lb. .38 Nom.
snow-white, pure 76°-78° C., bgs..lb. .45 - .46
yellow, natural, 76°-78° C., bgs..lb. .35 - .36
Paraffin (see P).
Spermaceti, blocks, cs.....lb. .23 - .24
cakes, cs. .....lb. .24 - .25
White lead (see Lead, white).
White pine bark, rossed, bls...lb. .06 - .06¼
White precipitate, powd., 5-lb. bots..lb. 1.59 - —
dms., 50 lbs., or more...lb. 1.46 - —
Whiting, chalk, com'l., dry-grd., blp. bgs., c.l., works..ton.12.00 - —
l.c.l., works.....ton.14.00 - —
bbls., c.l., works.....ton.15.00 -16.50
l.c.l., works.....ton.17.00 - —
pap bgs., c.l., works..ton.11.20 -13.50
l.c.l., works.....ton.13.20 -14.50
wet-grnd., blp., bgs., c.l., works..ton.14.50 -15.00
l.c.l., works.....ton.15.00 -19.00
bbls., c.l., works.....ton.17.00 -18.00
gilder's bolted,blp., bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.00 -19.50
l.c.l., works.....ton.19.00 -20.00
pap. bgs., c.l., works..ton.14.60 -15.50
l.c.l., works.....ton.15.60 -16.50
extra bolted, blp., bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.00 -22.50
l.c.l., works.....ton.19.00 -22.00
pap. bgs., c.l., works..ton.14.60 -17.50
l.c.l., works.....ton.15.60 -18.50
Paris white, blp., bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.60 -24.00
l.c.l., works.....ton.19.00 -25.00
pap. bgs., c.l., works..ton.14.60 -20.00
l.c.l., works.....ton.15.60 -21.50
English cliffstone (see Whiting, chalk, Paris white).
limestone, air floated, 99.75%, 250 mesh, paper bgs., c.l., ton.. 9.35 - —
99.75% 200 mesh, paper bgs., c.l., same basis.ton. 8.60 - —
99% 200 mesh, paper bgs., c.l., same basis.....ton. 6.25 - —
gilders, bgs, (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
extra, bgs., (extra), c.l., works..ton.12.50 - —
l.c.l., 8-20 tons, works, ton.13.50 - —
4-8 tons, works....ton.14.50 - —
2-4 tons, works....ton.15.50 - —
putty grade, bgs. (extra), c.l., works..ton.11.00 - —
l.c.l., 8-20 tons, works.ton.12.00 - —
4-8 tons, works.....ton.13.00 - —
2-4 tons, works.....ton.14.00 - —
water-floated, bgs., (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
Precipitated, bgs., c.l., works, ton.15.00 - —
l.c.l., 5 tons, works....ton.20.00 - —
smaller lots, works....ton.25.00 - —
Wild cherry bark, thick, natural, bls..lb. .04½- .05
rossed, bls.....lb. .06 - .07
thin, natural, bls.....lb. .06 - .07
rossed, green, bls.....lb. .10 - .11
Wild indigo root, bgs.....lb. .09 - .10
Witch-hazel extract, dist., NF, bbls..gal. .40 - .45
Leaves, bls.....lb. .07 - .08
Witherite (see Barium carbonate, natural).
Woodflour, dom., fine, bgs., extra, c.l., works..ton.25.00 - —
standard, bgs., c.l., works.. ton.20.00 - —
import, 40-60 mesh, bgs., ex dock..ton.20.00 - —
70-80 mesh, bgs., ex dock.ton.22.00 - —
100 mesh, bgs., ex dock...ton.27.00 - —
120 mesh, bgs., ex dock...ton.33.00 - —
Wormseed, American, bgs....lb. .10 - .11
Levant, bgs.....lb. 3.90 - 4.00
Wormwood, bls.....lb. .09 - .00

X

Xylol (xylene), indus., dms., works..gal. .31 - —
tanks, E. of Omaha, frt. alld., gal. .26 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .26 - —
nitration tanks, E. of Omaha frt. alld..gal. .33 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .33 - —
5°, dms., works.....gal. .37 - —
tanks, E. of Omaha, frt., alld., gal. .32 - —
Xylol, 10°, dms., works.....lb. .34 - —
tanks, E. of Omaha, frt. alld., gal. .29 - —
Xylidin, mixed, dms.....lb. .35 - .36

Y

Yara yara, cryst., cns.....lb. 1.25 - 1.50
Yellow, cadmium, CP, import., bxs..lb. 1.80 - 2.50
lithopone, all shades, bbls., 1 ton, works, frt. alld.lb. .45 - —
smaller lots, same basis, lb. .50 - —
kgs., ton lots, same basis, lb. .50 - —
smaller lots, same basis, lb. .55 - —
sulphide, orange, bbls., works, lb. 1.50 - —
Chrome, CP, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts....lb. .14½- —
open order.....lb. .15½- —
Chrome yellow CP prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch pink, bbls.....lb. .09 - .11
Hansa, bbls., same basis, chrome..lb. 1.37 - —
Mercury oxide (see M).
Ocher, Amer., golden, A, bbls., works..lb. .03½- —
B, bbls., works.....lb. .04½- —
C, bbls., works.....lb. .03½- —
yellow, A, bbls., works...lb. .02¾- —
B, bbls., works.....lb. .02½- —
C, bbls., works.....lb. .02 - —
D, bbls., works.....lb. .0195- —
E, bbls., works.....lb. .01775- —
F, bbls., works.....lb. .01½- —
G, bbls., works.....lb. .01½- —
H, bbls., works.....lb. .01¾- —
French, all shades, cks., c.l., ex dock Balto., Boston, N. Orleans, for import. lb. .02475- —
New York (f.o.b.)..lb. .02¾- —
Philadelphia, for import..lb. .02¾- —
Portland, Seattle....lb. .03 - —
San Pedro, S. Francisco..lb. .0290- —
l.c.l., ex dock, Balto, Boston, N. Orleans..lb. .02575- —
New York.....lb. .02½- —
Philadelphia, for import..lb. .02¾- —
Portland, Seattle....lb. .03½- —
San Pedro, S. Francisco..lb. .03 - —
ex whse., Balto., Boston, N. Orleans..lb. .02725- —
Chicago, E. St. Louis, Ind'polis, K. City, Milwauk., St. Louis. lb. .03¾- —
Mnneapolis .....lb. .03½- —
New York.....lb. .02¾- —
Pittsburgh .....lb. .03¼- —
Portland, Seattle...lb. .03¾- —
San Pedro, S. Francisco..lb. .03¼- —
f.o.b. N. Y., from dock. lb. .02¾- —
from whse.....lb. .02¾- —
Oxide, nat., bbls., c.l., f.o.b. Bethlehem Easton, N.Y. lb. .04½- —
l.c.l., same basis.....lb. .04¾- —
synth., bbls., c.l., works...lb. .06½ —
l.c.l., works .....lb. .06¾- —
Persian orange (see O).
Zinc, bbls., same basis chrome CP. contracts..lb. .18 - —
open order .....lb. .19 - —
Yellow dock root, bls.....lb. .09 - .10
Yellow root (xanthoriza), bls..lb. .09 - .10
Yerba santa leaves, bls.....lb. .06½- .10
Yohimbine hydrochloride, vis..oz. 2.50 - 2.55

Z

Zinc acetate, tech., bbls., dlvd., lb. .21 - —
USP., bbls., 250 lbs.....lb. .27 - —
kgs., 100 lbs.....lb. .29 - —
Arsenate, bgs., cs., c.l., dealers, E. of Rockies..lb. .12½- —
c.l., bgs., cs.....lb. .13 - —
Arsenite, bgs., cs., c.l., dealers, E. of Rockies..lb. .12½- —
W. of Rockies, bgs....lb. .12½- —
l.c.l., bgs., cs.....lb. .13 - —
W. of Rockies, bgs....lb. .12¾- —
Zinc arsenate and arsenite price are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for plant or whse. pick-up.
Carbonate, tech., bbls.....lb. .14 - .15
USP, precip., powd., bbls..lb. .31 - —
dms. .....lb. .36 - —
kgs. .....lb. .33 - —
Chloride, fused, dms., c.l., works..100 lbs. 4.25 - —
l.c.l., works.....100 lbs. 4.60 - —
gran., dms., c.l., works, 100 lbs. 5.00 - —
l.c.l., dms., works.100 lbs. 5.75 - —
USP, 200-lb. dms.....lb. .25 - —
25 lb. jars.....lb. .31 - —
solut., dms., wks.....lb. .04½- —
tanks .....lb. .0226- —
Cyanide, kgs., works.....lbfl .33 - —
Dust., bbls., c.l., dlvd.....lb. .06 - —
l.c.l., bbls., dlvd.....lb. .06½- —
Fluoride, bbls.....lb. .20 - .25
Iodide, N.F., bots.....lb. 4.15 - —
jars .....lb. 4.00 - —
Metal (see daily quotations in Market report)
Oxide, pigment, dom., Amer., process, coml., lead-free, bgs., c.l., dlvd..lb. .06¼- .07½
l.c.l., dlvd., except Pac. cst..lb. .06½- .07¾
ex whse., Pac. cst.. lb. .06½- .07¾
Zinc, oxide, dom., Amer. process, lead-free, bbls., c.l., dlvd..lb. .06½- .07¾
l.c.l., dlvd., except Pac. cst..lb. .06¾- .08
ex whse., Pac. cst..lb. .06¾- .08
leaded, 5%, bgs., c.l., dlvd..lb. .06¼- —
l.c.l., dlvd., except ex whse.,Pac. cst.lb. .06¾- —
bbls., c.l., dlvd....lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse.,Pac.cst.lb. .06¾- —
35%, bgs., c.l., dlvd.lb. .05¾- —
l.c.l., dlvd., except Pac. cst..lb. .06 - —
ex whse., Pac. cst.lb. .06 - —
bbls., c.l., dlvd...lb. .06 - —
l.c.l., dlvd., except Pac. cst..lb. .06¼- —
ex whse., Pac. cst.lb. .06¼- —
50%, bgs., c.l., dlvd..lb. .05¾- —
l.c.l., dlvd., except Pac. cst..lb. .06 - —
ex whse., Pac. cst.lb. .06 - —
50%, bbls., c.l., dlvd. lb. .06 - —
l.c.l., dlvd., except Pac. cst..lb. .06¼- —
ex whse., Pac. cst.lb. .06¼- —
French process, coml., lead-free, bgs., c.l., dlvd., bbls., c.l., dlvd...lb. .06½- .07¾
l.c.l., dlvd., except Pac. cst..lb. .06¾- .07¾
ex whse., Pac. cst.lb. .06¾- .07¾
bbls., c.l., dlvd.....lb. .06¾- .07¾
l.c.l., dlvd., except Pac. cst..lb. .06¾- .08
ex whse., Pac. cst.lb. .06¾- .08
green seal, bgs., c.l., dlvd., lb. .08 - —
l.c.l., dlvd., except Pac. cst..lb. .08¼- —
ex whse., Pac. cst..lb. .08¼- —
bbls., c.l., dlvd.....lb. .08¼- —
l.c.l., dlvd., except Pac. cst..lb. .08½- —
ex whse., Pac. cst..lb. .08½- —
red seal, bgs., c.l., dlvd....lb. .07½- —
l.c.l., dlvd., except Pac. cst..lb. .07¾- —
ex whse., Pac. cst..lb. .07¾- —
bbls., c.l., dlvd.....lb. .07¾- —
l.c.l., dlvd., except Pac. cst..lb. .08 - —
ex whse., Pac. cst..lb. .08 - —
white seal, bgs., c.l., dlvd., lb. .08½- —
l.c.l., dlvd., except Pac. cst..lb. .08¾- —
ex whse., Pac. cst..lb. .08¾- —
bbls., c.l.....lb. .08¾- —
l.c.l., dlvd., except Pac. cst..lb. .09 - —
ex whse., Pac. cst..lb. .09 - —
import, gold seal, cks., ex whse..lb. .13 - .14
green seal, bbls., ex whse., lb. .10 - —
white seal, cks., ex whse., lb. .11 - .12½
Oxide, USP, bbls., c.l.....lb. .06½- —
Palmitate, bbls.....lb. .23 - .25
Resinate, fused, pale, bbls...lb. .10 - —
precip., dms., dlvd.....lb. .15 - —
Stearate, tech., precip., bbls., ctns., c.l..lb. .20 - —
l.c.l., 1 ton.....lb. .21 - —
1,000-2,000 lbs.....lb. .22 - —
less than 1,000 lbs..lb. .23 - —
U.S.P., bbls.....lb. .21 - .23
Sulphate, cryst., bgs., c.l.100 lbs. 2.75 - —
l.c.l. .....100 lbs. 2.50 - —
bbls., c.l. .....100 lbs. 2.90 - —
l.c.l. .....100 lbs. 2.65 - —
flake, bgs., c.l. .....100 lbs. 3.10 - —
l.c.l. .....100 lbs. 3.85 - —
bbls., c.l. .....100 lbs. 3.25 - —
l.c.l. .....100 lbs. 4.00 - —
l.c.l. .....100 lbs. 5.10 - —
bbls., c.l. .....100 lbs. 4.50 - —
l.c.l. .....100 lbs. 5.25 - —
Sulphide, bgs., c.l. (20 tons), dlvd..lb. .09 - —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .09¼- —
bbls., c.l. (20 tons), dlvd..lb. .09¼- —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .09½- —
Sulphocarbolate, NF, bbls...lb. .24 - .26
Zinc-ammonia chloride, dms., c.l., works..100 lbs. 5.15 - —
l.c.l., works.....100 lbs. 5.50 - —
Zinc-iron oxide, pigment, bgs., c.l., dlvd..lb. .05 - —
l.c.l., dlvd., except Pac. cst..lb. .05½- —
ex whse., Pac. cst..lb. .05½- —
powd., bgs., c.l. .....100 lbs. 4.35 - —
Zirconium nitrate, kgs., work.lb. 3.00 - 4.00
Oxide, crude, 73-75%, grd., bbls., works..ton.75.00 -100.00
kgs., small lots, works...lb. .04¼- .04½
white, 98%, rgd., kgs., works, lb. 1.40 - 1.52

Synthetic Resins

and other

Branded Paint Materials

(Manufacturers' List Prices)

Note:—The list of prices previously printed weekly under the above heading is now printed once a month. The latest printing was in the May 2 issue; the next printing will be in the June 6 issue. Changes in prices—if any—made during the past week are noted in the report on the Paint, Varnish and Lacquer Materials Market, which begins on page 32.

E. V. Killeen, president of George Lueders & Co., essential oils and aromatics, this city, sailed May 21 on the steampship Nieuw Amsterdam, liner which on that date began its maiden voyage from New York to Holland. In company with Mrs. Killeen, he will visit England, Scotland and France, returning to this city on the Queen Mary on July 4.

Oil, Paint and Drug Reporter

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Drug Trade Must Act

For adequate and highly necessary understanding of the many denotations and connotations of the system of advertising control set up by the Wheeler-Lea act the drug trade must have interpretative assistance from the Federal Trade Commission. This service is needed by and for the trade as a whole, and is its due, in respect of interpretation of the application of the act to matters of general import. It cannot be obtained by means of individual conferences with the commission. It must be got collectively. It must be sought collectively.

Emphasis lies on the necessity that the drug trade take the initiative toward getting interpretations of the general applications of the act. It is not within the province of the Federal Trade Commission to inaugurate such a movement. The act has become effective. The drug trade must proceed without delay in a duty that is almost one of self-preservation.

The proper procedure in this necessary undertaking doubtless can be worked out with the commission. Insofar as it is possible to learn the attitude of that body, there is no antagonism to be expected for a proposal from the trade. The commission has proffered and has asked cooperation in the satisfactory and efficient administration of the act. It is, apparently, open to suggestions.

One method of procedure that is promising would derive from the functioning of the contact committee of the drug manufacturing industry with the Food and Drug Administration. It is conceivable that, under similar procedure, two committees would be more satisfactory than one—one to represent manufacturers of packaged medicines and of cosmetics, whose interests are chiefly in advertising to the consumer; one for manufacturers of pharmaceuticals, interested mainly in advertising to the medical profession.

It is suggested that the condition might best be met through the medium of one or more trade practice conferences. This method has attractive possibilities. But, the method is secondary to the objective. The immediate necessity is that a properly directed movement be started. It is in this that drug manufacturers must act now.

Push the Drug Bill

Enlightened selfishness, if nothing else, should indicate to the drug and cosmetic industries the wisdom of exerting whatever influence they may have to bring to a vote in the house the long-pending bill to revise the Federal food and drugs act. A special rule is sought for the consideration of this measure; the importance of having the revision of the law accomplished in this session of Congress demands that every effort should be made to expedite it.

Although there are a number of points of difference between the bill passed by the senate and that which awaits action in the house, it can reasonably be expected that these will be composed in the necessary conference once the house bill has been passed. There is but one major obstacle to passage of the latter bill, but, while it must be admitted that the difference in opinions in the house with respect to this—the court review provision—is emphatic, the reasonable procedure certainly is to provide early and ample opportunity for debate on this point on the floor of the house.

The congressional session is approaching adjournment. One controversial matter—the selection of the agency to supervise advertising—prevented enactment of a new food and drug law many months ago. To allow history to repeat itself in this respect may logically be expected to face the affected industries with proposals far more objectionable than disapproval of the court review provision would be.

There is something to be said on both sides in respect of the court review—"preview" seemingly is an apter term—provision in the house bill. But, the weight of opinion from the standpoint of governmental philosophies appears to be against the provision. Certainly the proposal is a new departure in the relationships of the legislative, the administrative, and the judicial branches of government, and the power that it would give to the last-named branch seems to be too great to be delegated to a district court.

Elimination of the court review provision would not pave the way for autocratic administrative procedure. The validity of regulations would still be a matter for the courts to determine. And no possible regulation should be feared so much that insistence on court preview will block revision of the food and drugs act and leave the drug and cosmetic industries wide open to the Wheeler-Lea law.

—O-P-D—

Definiteness Is Needed

Plans to spur revival of business activity continue to be daily offerings for the guidance of all those who are held responsible for the failure to get business out of its balk. This responsibility, as has been true for some years, is laid at many doors, and there has been little closer approach to the desirable condition that both sides, or all sides—there are divisions on both sides—admit their shortcomings and all get together with a clean pad of planning paper.

Argument still there is on whether business, or government, has offered any ideas for the revival of business activity, or whether all the proposals fall rather in the recently popularized category of agenda. Ideas have been adduced on both sides—governmental pump priming is something concrete; so are the undertakings of the increasing number of business establishments that are tempting the public with attractive prices. But, there is still a lack of definiteness in the agenda pronounced for business as a whole.

It is urged that unnecessary governmental spending be reduced. The unnecessary spending is not specified, and it is not made clear why, if certain forms of spending are unnecessary—as they are from any sound business point of view—they should not be stopped, not merely reduced. Such suggestions as that the Federal budget be balanced while taxes are eliminated and relief measures not curtailed just don't add up to make sense. There is definiteness in the suggestion that relief be handled by a different method, taking the government out of competition with private enterprise. But, this seems to shift from private enterprise its duty to do the work that government is doing, as do those other suggestions that would place upon government the task of creating confidence in private enterprise.

It is said—and there can be no logical contradiction—that attempts to build for the future on quicksand should be abandoned. But, no concrete—may the pun be pardoned—foundation, no blueprint, for this building is offered.

There is no single, specific remedy for the chronic ills of business. The malady is organic. It is manifested in innumerable symptoms, and of all the remedies offered as panaceas none can be expected to do more than alleviate a symptom or two or, at most, correct in some degree one more or less important maladjustment. A comprehensive regimen—the word, like propaganda, is not solely and wholly of obnoxious connotation—is needed, embracing diet, habits, medication, and a bit of surgery, plastic at least.

Business can treat itself best. But, it first must understand its malady better. Then it must offer something more definite with respect to, for example, "prompt solution of the railroad problem," than a mere declaration that this is necessary. The railroad problem is a business problem. So are all the rest of the problems of the existing business inertia. What will business do to solve this problem—and its others? Definite business plans are needed. But, ideas of the sort that mainly put the railroads where they are definitely are contraindicated.

—O-P-D—

Inventories Decreasing

Domestic inventories of raw materials and manufactured goods combined decreased 2.2 percent in March, the change being wholly in stocks of raw materials. The combined inventories were still 36.9 percent more than they had been in March, 1937, and most of this excess was in raw materials.

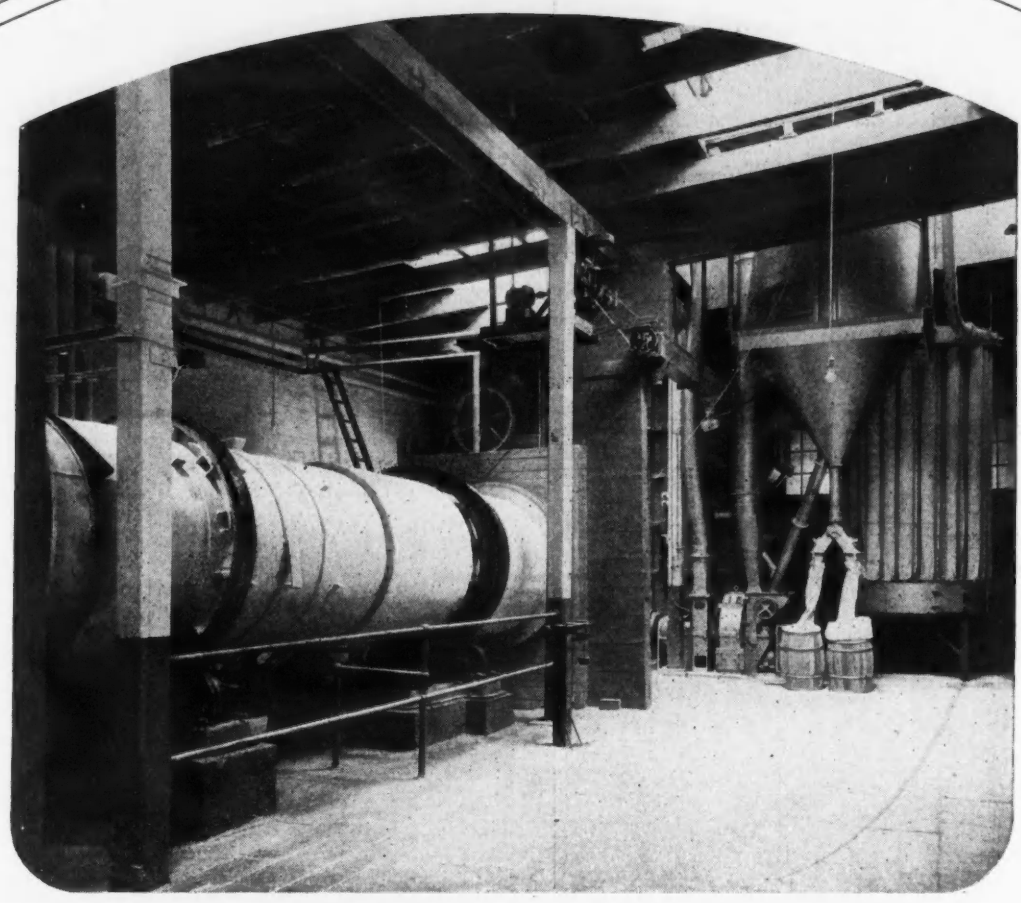
Stocks of chemical materials decreased 7.4 percent from February to March; stocks of chemical products and related manufactures dropped 1.6 percent. Both were larger than they had been a year earlier.

Comparisons of March inventories significant generally and to the chemical and related industries are as follows:—

	(Percentages) March compared with Feb., 1938.	Mar., 1937.
All commodities	— 2.2	+36.9
Raw materials, all	— 4.4	+56.8
Chemicals and related articles	— 7.4	+28.2
Metals	— 4.3	+37.5
Textile materials	— 5.8	+67.8
Manufactures, all	*	+10.9
Chemical and related products	— 1.6	+22.1
Newsprint	+ 6.3	+38.4
Rubber products	+ 2.2	— 8.7
Wholesalers' stocks, all	— 3.3	— 7.0
Drugs and drug sundries	— 2.6	— 5.7
Paper and its products	— 3.9	—11.5
Shoes and other footwear	—11.1	+10.0

* No change.

ESTABLISHED
1849



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QUALITY

CHAS. PFIZER & CO., INC

Manufacturing Chemists

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444 W. GRAND AVE., CHICAGO, ILL.

V 133 21
MAY 23 1938
XU

Oil Chemists Elect C. H. Cox President

—*Continued from page* 3

Toll oil is made up of 6 percent resinous acid and 94 percent oleic acid, or vegetabla oil, Mr. Gillespie said, hence it has become a valuable by-product, used in manufacturer of soaps, printing ink and other products.

"Some Recent Developments in the Manufacture of Margarine" was the title of a paper read by A. A. Robinson, of Indianapolis, Ind. Illustrating his talk with motion pictures, Mr. Robinson told how decreased cost of production had made it possible to put "table fats" within the reach of many families not financially able before to purchase its product.

A. E. McGee, of Chicago, said that for the first time last year 50 percent of the vegetable oil used in margarine manufacture was an American product —cottonseed oil. And last year, he said, the United States produced one percent of the tung oil which it used, most of it in this part of the country. He pointed out that up to then this country depended entirely on imports from China. He said that the future of the tung oil industry in this country was bright, and that the production of that oil, he added, will mean much to the agricultural development of the South.

One-tenth of the foods of the United States are subject to rancidity and need protection to be kept fresh, Mayne R. Coe of Washington, D. C., of the bureau of chemistry and soils of the Department of Agriculture, said. Mr. Coe said that if 1 percent of such foods is saved the saving to the nation amount to $2,000,000. He explained that the food bill of the United States totals $20,000,000,000, and $2,000,000,000 of these foods are subject to becoming rancid.

Among the papers and reports read were:—W. D. Hutchins of Chicago, report of color committee; J. E. McIntyre of Watertown, Mass., "Oven Test as an Index of Keeping Quality"; L. M. Gill of New York, report of color glass development committee; A. G. Redell of Pine Bluff, Ark., "Laboratory Control of Crude Mill Operations"; H. L. Thomas of Forrest City, Ark., report of crude mill operations; J. P. Harris of Chicago, and Ralph Hagberg of Tyrone, Pa., "Optimum Percentages of Activated Carbon and Fuller's Earth for the Removal of Color in Vegetable Oils"; W. T. Watkins of Chattanooga, Tenn., report of fatty acid in soap stock committee; A. A. Robinson of Indianapolis, Ind., "Some Recent Developments in the Manufacture of Margarin"; J. L. Mayfield of Chickasha, Okla., report of indicator committee; R. T. Milner of Urbana, Ill., "Study of Kaufman Iodine Number Determination"; V. Conquest of Chicago, report of Journal advertising committe, and M. F. Lauro of New York, report of olive oil committee.

The convention came to a close with a dinner-dance at the Southern Yacht Club May 13.

R. J. Moore President Of Chemists Institute

—*Continued from page* 5

procedure, he said, shall include a period similar to interneship, during which he can learn practical applications of scientific knowledge and during which he can forget some of his so-called college ideas and come to the realization that life returns only as you give. He said to be an asset to profession of chemistry his education must found him securely and firmly in at least one language, but preferably in more, so that he can learn from the literature what others have done or tried to do, and so that he can describe clearly and concisely in understandable language what he has done, has tried to do, or would like to do.

Howard W. Post, assistant professor of chemistry at the University of Buffalo, said that the university is inaugurating a work-study plan under which needy students may sandwich a semester or Summer session of work between two of study or vice versa. For this reason, he added, this plan may never be capable of application to majors in chemistry, but, on the other hand, it indicates a definite trend toward closer cooperation between industry and college.

The applications of chemistry today by the consultants are very diverse. Foster Dee Snell, consultant chemist, Brooklyn, declared in an address. He explained that in a consulting laboratory one finds one man working on the fabrics used in used, and another working out a new type of shoe polish or a new form of plastics, and at the same time, he added, others are studying problems relating to soaps and soap powders, brick, cement, asphalt, paints and varnishes, textiles of all kinds, and silvered glass.

N.A.I.D.M. Convention Transportation Committee Name

H. W. Hamilton, of the White Tar Company, Kearney, New Jersey, has been appointed to head a committee to arrange for a special railroad train out of New York, stopping at Philadelphia, Wilmington, Baltimore and Washington destined for the mid-year meeting of the National Association of Insecticide and Disinfectant Manufacturers' convention to be held in Spink-Wawasee hotel, Lake Wawasee, Ind., June 13. Members planning to attend the convention from the cities mentioned are urged to inform Mr. Hamilton whether or not they would be willing to join a party going through these towns via the Baltimore & Ohio Railroad.

Trade Briefs

L. J. Gumpert, director of sales for B. T. Babbitt, Inc., this city, has purchased the 360-acre estate, "The Firs," of the late Richard Washburn Childs on Washington lake, Maine.

Imperial Chemical Industries has elected to its board of directors Sir John Anderson, former governor of Bengal, and Peter F. Bennett, chairman of Joseph Lucas, Ltd., and president of the Federation of British Industries.

International Selling Corporation, manufacturers agents and importers, has enlarged its office facilities at 26 Beaver street by taking the entire tenth floor, which is in addition to offices maintained on the fifteenth floor in the same building.

Reckitt & Sons, British manufacturer of disinfectants and cleansing preparations, has signed a preliminary agreement for an amalgamation with J. & J. Colman, mustard manufacturer. A new operating company, Reckitt & Colman, Ltd., is planned.

George du Pont Pratt, a son of the late Charles M. Pratt, founder of the Pratt Institute, Brooklyn, estate showed a gross value of $13,714,101. Mr. Pratt died in 1935. Of the bequests, Pratt Institute was to receive $250,000.

A salt deposit near Thompsons, in eastern Utah, has been discovered by geologists drilling for oil. Salt was found at 1,500 feet; at 6,000 feet the drills had not yet reached the limits of the great saline bed, the United States geological survey reports.

Platinum-bearing ores were discovered in Southwestern Colorado. The platinum deposit, the first of any size found in the United States, lies in the La Plata mining district, twenty-one miles northwest of Durango, Colo., according to the United States Geological Survey.

Anchor Hocking Glass Corporation stockholders approved May 18 a reduction in the membership of the directorate from fifteen to eleven members. Newly elected directors were Herman Krannert, L. B. Williams and J. O. Deegan. Hugh C. Laughlin was named secretary.

"THE ALCHEMIST", AFTER THE PAINTING BY BRUEGHEL

COURTESY OF THE METROPOLITAN MUSEUM OF ART

New Tricks for an Old Dog

Nitric acid has a history that goes back to the Dark Ages. More than a thousand years ago Geber, calling it by its alchemical name, *aqua fortis* ("strong water"), wrote of its remarkable powers for dissolving the known metals and ores. The medieval alchemists knew *aqua fortis* well... used it to separate gold from silver.

Today nitric acid, by reason of its industrial importance and the diversity of its applications, is manufactured in huge quantities and in many grades and strengths. Yet the name *aqua fortis* (as the common term for second grades of nitric) persists... and the principal method of manufacture (distilling saltpetre with sulphuric acid) is inherited from the alchemists.

Nitric acid *is* an old chemical. The chemist in the research laboratory, and the chemist in the industrial plant, are well acquainted with its applications, its good properties and its bad. Yet here is a new page in the story of its development ... a page written by General Chemical Company.

GENERAL CHEMICAL COMPANY

All ordinary nitric acid is subject to deterioration by sunlight, and will break down partially to form the lower oxides of nitrogen. This results in operating conditions which are objectionable to many engravers: The operators complain of inhaling the noxious brown oxide fumes... complain that a surplus of oxides slows down the "bite", shortens the life of the acid bath. Some engravers purchase C. P. nitric on the contention that *no* commercial acid is suitable for fast, clean etching.

General Chemical Company has devoted intensive research to this problem, and is pleased to announce, for introduction in the immediate future, a new and finer engravers' nitric.

Water-white in color, it affords a faster "bite", a cleaner "bite". Remarkably resistant to deterioration, and clearing itself quickly of brown oxides with a minimum of fuming, it economically prolongs bath life. *Indeed, in experiments in many plants handling a wide variety of work, our new engravers' nitric has proven it will do, at considerably lower cost, everything the C.P. material will do!*

General Chemical Company has always applied every facility of its broad resources toward improving on the generally accepted criteria of quality and service. By affording more than standard purity, more than standard service, it has earned for General Chemical products a reputation for consistent leadership.

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engravers' nitric

ACIDS • ALUMS • SODIUM COMPOUNDS • AND OTHER INDUSTRIAL CHEMICALS

Heavy Chemicals

Commercial and Iron-Free Alumina Sulphate Lower—Blue Vitriol Off — Copper Oxides and Metal Reduced — Lead Acetate Declines—Potash Cyanide Lower—Tin Derivatives Easier

While the demand for heavy chemicals was not materially improved last week, indications were prevalent in certain manufacturing consuming industries that inventories were at a low level. Consequently, replacement demand began to make its appearance on a broader scale, although commitments were apparently confined to nearby production requirements only. Price structure eased further; lower quotations were recorded for alumina sulphate, commercial and iron-free, blue vitriol, red and black copper oxide, electrolytic copper, antimony metal, lead acetate, potash cyanide, Straits tin, soda stannate, anhydrous tetrachloride of tin, and tin crystals.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

Alumina sulphate, comm'l, 20c. per 100 lbs.
Iron-free, 70c. per 100 lbs.
Antimony metal, ½c. per lb.
Blue vitriol, 25c. per 100 lbs.
Copper oxide, red, 1c. per lb.
black, 1c. per lb.
Electrolytic copper, 1c. per lb.
Lead acetate, 1c. per lb.
Potash cyanide, 5c. per lb.
Soda stannate, ½c. per lb.
Straits tin, 1½c. per lb.
tetrachloride, anhyd., ½c. per lb.
Tin crystals, 1c. per lb.

Comparative Values

Index numbers compiled from twelve typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
149.0	**153.4**	**153.4**	**154.3**

Index numbers compiled from twelve typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
99.6	**99.6**	**99.6**	**99.6**

Market news that may have developed after this report was sent to press will be found on page 4.

Cyanides noted a broadening in the demand, sellers report a noticeable increase in replacement orders for small quantities. The pick-up was not confined to any one territory, but was quite general, indicating that inventories in most consuming lines were at a low ebb. Potash cyanide was reduced last week, bringing it in line with other reductions made recently for the various cyanides.

Electrolytic copper scored the first decline since the end of January, the reduction was attributed to the easier prices prevailing in the foreign market, together with unfavorable domestic statistics. The lower price for copper was reflected in reductions for blue vitriol, red and black copper oxides; demand for these materials have been holding up well. Alumina sulphate, commercial and iron-free, scored declines, business was spotty and interest confined chiefly to the paper and water treating channels. Lead acetate was dull and easier. Antimony was quiet and prices fractionally reduced. Tin derivatives were lower as a result of easier prices prevailing for the Straits metal, which reflect to some degree the uncertainty regarding the question of creation of a tin buffer pool. A good interest was reported for calcium chloride, anhydrous ammonia, carbon dioxide and chlorine last week. Copperas remains firm. Fluorspar was nominal. Alkalies continue steady. Sulphuric acid was quiet. Demand for agricultural insecticides and fungicides was holding fairly well, attention, however, was given to the cool and wet weather prevailing in most sections of the country.

The Procurement Division of the Treasury Department has approved a third amendment to the Federal specification (SS-S-31) for table salt. Copies of the amended specification, which will become effective August 15, may be obtained at 5 cents each from the Superintendent of Documents, Government Printing Office, Washington.

Alums.—Prices for alumina sulphate, commercial and iron-free, were reduced 20c. and 70c. per 100 pounds, respectively. The demand has been spotty, with fair interest reported from the paper trade and water treating channels. Prices for alum acetate, potash, ammonia, soda and hydrate were unchanged. Alumina sulphate was manufactured in Belgium from imported bauxite in two factories situated in the provinces of Namur and Liege. Domestic consumption was estimated at 8,000 to 9,000 tons and exports during 1937 totaled 29,413 tons, compared with 26,085 tons in the preceding year, according to the office of the American commercial attache at Brussels.

Ammonia, Anhydrous.—A good inquiry was uncovered in this direction for refrigerating purposes, with demand in many instances holding close to last year's level. A steady to firm tone governed the dealings.

Ammonia Carbonate.—Interest in the market was holding fairly steady, particularly from the food industry. Prices were holding well at previous levels.

Ammonia Perchlorate.—Sellers report a fair demand for small quantities throughout the past week, and prices were in conformity with previous quotations.

Antimony.—Price for antimony metal spot was reduced ½c. per pound at 12¼c. per pound. Demand in the domestic market remained quiet last week.

Antimony Oxide.—Business was dull again last week. The call for enameling purposes from the building trades has been negligible. Sellers were optimistic, however, pointing out the World's Fair in New York and the Golden Gate International Exposition in California should augment demand for this material. Prices remain the same.

Arsenic. — Withdrawals by chemical processors for insecticidal purposes was holding fairly steady, while the ceramic industry was making cautious commitments. Prices for the metal and the red and white materials continue unchanged.

Barium Salts.—Business in the market for various barium derivatives continued spotty. There was a fair interest noted for barium chlorate and nitrate for the account of firework manufacturers. The call for barium carbonate, chloride, dioxide and hydrate continue to reflect lower operations in the principal consuming industries, such as sugar refining, building and lacquer trades. Prices were without change.

Blue Vitriol.—Prices were lowered 25c. per 100 pounds; 99 percent crystal ranged from $4 to $4.50 per 100 pounds, according to quantity, f.o.b. works. Monohydrated was listed at $8.40 to $8.65 in car lots, f.o.b. works, and $1 per 100 pounds higher for less car lots. The market continued active again last week, seasonal withdrawals for agricultural purposes has shown no signs of diminishing, while the call for commercial purposes was well sustained. Export interest was reported to be excellent, shipments were well diversified.

Calcium Chloride.—A good interest was reported in the market throughout the past week. The outlook was promising for increased activity by various states for road improvements and dust control activities. The government spending and lending program was expected to be felt to some degree, especially through WPA activities. Prices were well sustained.

Carbon Dioxide.—A broader inquiry was uncovered in the market, which was motivated by the approach of warmer weather. A gradual seasonal improvement was anticipated over the next several months. Prices continue steady to firm.

Chlorine.—Seasonal factors began to make their appearance to stimulate demand for the account of water purification and sanitation projects. Paper industry, especially the kraft paper trade, continued to absorb fair-sized quantities. The price situation remained steady. It was pointed out by a large utility association that needed waterwork projects during the next few

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

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TITANIUM TETRACHLORIDE : CAUSTIC SODA : SULPHUR
CHLORIDE : SULPHUR : SILICON TETRACHLORIDE
CREAM OF TARTAR : SULPHURIC ACID : CARBON
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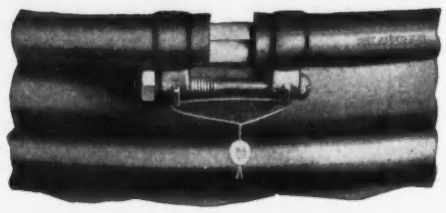

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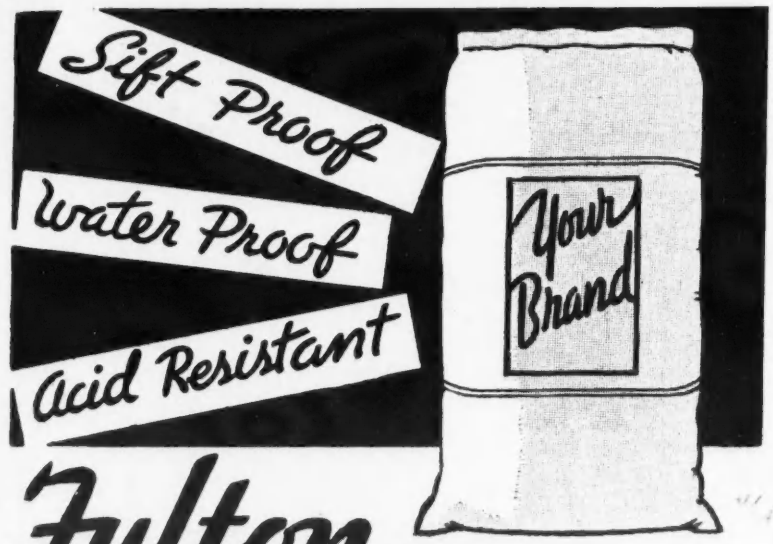

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years would total around $1,000,000,000. Many cities, especially in the eastern part of the country, north of the Mason-Dixon line, will soon be in urgent need of great water facilities, it was held by the association. New York City plans to spend approximately $250,000,000 during the next decade to obtain 400,000 gallons daily from the Delaware River, while expanding population and industrial development in Northern New Jersey may soon force municipalities in that area to reach out for additional supplies.

Copper.—Price was reduced to 9c. per pound, delivered Connecticut Valley base last week. A leading custom smelter cut the price one cent per pound, and similar action was taken by other leading smelters and primary producers. Earlier in the week the market portrayed a weak undertone here because of the weakness in the export market, which declined to around the 9.20c. per pound level, the lowest in more than a year. The domestic reduction was the first since the end of January, when the price was lowered to 10c. per pound from 10¼c. basis. Stocks of refined copper in the domestic market at the end of April amounted to 355,663 tons, against 342,785 tons at the end of March, a gain of 12,878 tons. Domestic stocks of blister dropped 5,138 tons, or a net gain of 7,740 tons for the month. Failure of April world copper figures to reach the trade was generally attributed to Germany not divulging certain items necessary for a complete picture. It was stated, however, that Germany has been buying large quantities of copper and that imports into that country in the current year are running far ahead of last year.

Copper Salts.—Price for red and black copper oxide was reduced one cent per pound, corresponding to the lower quotations prevailing for the basic metal. Other copper derivatives were without change. Demand for the oxides have held up fairly well, reflecting the improved shipbuilding activity.

Copperas. — The market continued firm. Demand for water sanitation purposes was sufficient to absorb the small amount of copperas available. The lower steel operations continue to affect the production of this material. Operations for the steel industry last week were scheduled around 30.7 percent of capacity, compared with 40.4 percent in the preceding week and 90 percent in the corresponding period a year ago.

Fluorspar.—The market was a nominal affair. Withdrawals against new contracts were negligible, reflecting to a great degree the conditions prevalent in the metallurgical, ceramic and building industries.

Cyanide-Chloride Mixture. — While business for the various grades of mixtures was not voluminous, sellers report a noticeable increase in demand last week for replacement orders in small quantities. The pick-up was not confined to any one territory, but was quite general, indicating that inventories in most consuming lines was at a low ebb. Prices continue firm.

Lead Acetate.—Prices were reduced one cent per pound last week. Quotations for the white, broken and crystal, in barrels, was 10c. per pound. The granular and powdered materials were listed at 10¾c. per pound. Demand from the textile and lacquer trades was for small quantities.

Manganese Dioxide. — Demand from principal consuming lines continued restricted last week. There was no incentive to order out beyond nearby requirements. Prices for the Caucasian were reduced last week, and as far as could be learned the African material was unchanged. The differential was narrowed to 50c. per ton.

Nickel Salts.—Quiet conditions prevailed in the market for the carbonate, chloride, oxide and salts. The dullness could be largely attributed to the lethargy prevailing in the plating and metallurgical trades. Aside from this, however, a report was heard to the effect a large packing company in the West ordered a substantial amount of nickel sulphate, which was probably used for livestock treatment. Prices continued steady to firm.

Potash, Caustic.—Interest in the market continued to be concerned with commitments in line with operating schedules in major consuming industries, particularly the textile trade. Sellers were adhering to price schedules previously in force.

Potash Chlorate.—Demand was confined to moderate quantities in most instances. Firework manufacturers continue to show an active interest in the market. Prices were well sustained.

Potash Cyanide.—Prices were reduced 5c. per pound at 50c. to 55c. per pound in containers and drums. Withdrawals for the account of the plating trade and other consumers were for small amounts.

Saltcake.—A firm tone governed the dealings last week. The paper trade provided the chief interest in the market, with demand from glass trade lagging. Despite the good showing made in the glass container division, plate glass production was estimated at 80 per cent below this time a year ago. April plate glass production totaled 3,819,735 square feet, compared with 21,955,881 square feet in April, 1937. For the first four months this year production aggregated 15,404,864 square feet, compared with 67,747,999 square feet in the corresponding period a year ago, according to members of the plate glass manufacturers association of America.

Saltpeter.—The market was highly irregular, with seasonal factors coming into the picture from agricultural channels. However, this was somewhat offset by a restricted demand from the match, glass and other consumers. Meat packers were ordering fair amounts. Prices were unaltered.

Soda, Acetate.—Interest in the market was along conservative lines, the call came chiefly from the textile and chemical processors. Prices were unchanged.

Soda Ash. — Shipments were moving into consuming channels at a fairly steady pace, however, in most instances the withdrawals were in line with lower production schedules, which was particularly true of the textile, rubber and glass industries. Price schedules were the same as the previous period. The use of soda ash for desulphurizing iron as it has been tapped from the furnace by a large German steel company has been reported recently. The steel works employ soda ash for the process which is delivered to the plants in car lots in bulk. This is melted in a gas furnace which has a capacity of fifteen metric tons daily and utilized in the molten or fused form. The process of desulphurizing iron with the aid of soda is intended to conserve supplies of imported manganese ore, but it is not known yet whether the process has proven a complete success, according to the American consulate general at Berlin.

Soda, Caustic.—A fair interest was displayed in this direction throughout the week. There was little disposition on the part of major consumers to make withdrawals beyond nearby production requirements. Price schedules remain intact. Imports of caustic soda into Panama during 1937 totaled 110 metric tons, compared with 88 metric tons in the same period a year ago. Of the total, United States supplied 85 metric tons. The material was used chiefly in soap manufacture.

Soda Cyanide.—A more active interest was uncovered in the market last week. A report on nation-wide business by a leading producer showed a definite upward trend in sales recently. The increase was ascribed to necessary replacements because of generally low inventories. Prices were well sustained at levels established recently.

Soda Metasilicate.—A steady movement was reported for water softening purposes, with laundries and bottling

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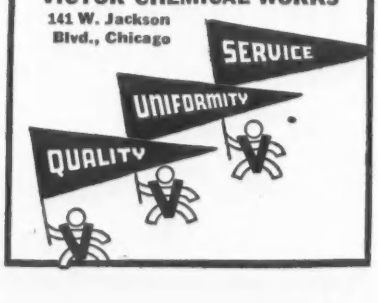


industries supplying the chief interest. Prices continue steady to firm.

Soda Silicate.—The call for the account of the paper and soap industries were holding fairly steady. The corrugated paper box industry has shown some improvement because of the interest from packers for cardboard box containers. Prices continue the same. Imports into Panama during 1937 totaled 80 tons, compared with 50 tons in the preceding year, of which the United States supplied 49 tons, according to the American commercial attache at Panama.

Sulphur, Refined. — Business was highly irregular throughout the past week. Some seasonal activity was noticed for agricultural purposes, which helped to take the lag from other commercial consuming lines. Prices were well maintained at previous levels.

Tin Salts.—Prices for various tin derivatives were easier last week. Soda stannate was listed at 26c. to 29c. per pound; anhydrous tetrachloride of tin 19c. per pound; tin crystals 31½c. to 32c. per pound, and Straits tin declined to 36.60c. per pound. The government of Malaya has issued a referendum to producers on the question of creation of a tin buffer pool. Singapore cables predict a 70 to 75 percent vote for the proposal. It is regarded by some as inevitable that output quotas, which now stand at 55 percent of operative tonnages, would have to be much reduced if the decision is against the pool plan.

Acids

The demand for various mineral acids continued on a hand-to-mouth basis. Price schedules in all instances were held at previous levels. The dullness in the call could be attributed to lower operations in the basic manufacturing consuming industries. Sulphuric acid was quiet, reflecting low steel, automotive and textile production schedules. Chromic acid was dull, with the plating trade making only moderate withdrawals. Formic and lactic were highly irregular. Nitric was a routine affair and the call for oxalic was described as fair from the many consuming channels. Total exports of certain organic acids from Germany in 1937 increased to 17,687 metric tons, compared with 16,641 metric tons in the preceding year.

Acetic. — With principal consumers maintaining a conservative buying policy, the market was quiet again last week. Price schedules were unchanged from the previous week. Exports of acetic acid from Germany during 1937 increased to 5,320 metric tons, compared with 4,663 metric tons in the preceding year, according to the American consulate general at Frankfort-on-Main.

Chromic. — Interest from the plating trade continued dull. Automobile production declined last week to 47,415 units, compared with 53,385 units in the preceding period and 139,507 units for the corresponding period a year ago.

Formic. — Business continued highly irregular last week. Despite the irregularity in the call prices were steady to firm at previous levels. Exports from Germany during 1937 increased to 6,296 metric tons, compared with 4,499 metric tons in the year 1936.

Lactic. — Only fair interest was displayed in this direction. The call came chiefly from the food, textile and tanning industries. Prices were without alteration. Exports from Germany during 1937 increased to 1,025 metric tons, against 891 metric tons in the preceding year.

Nitric. — The market was a rather routine affair throughout the past week. Major consumers were displaying only mild interest for nearby requirements. Prices were unchanged.

Oxalic. — A fair interest was in evidence from the many consuming channels during the week just closed. Prices ruled unchanged. During 1937 exports of oxalic acid from Germany declined to 2,359 metric tons, as against 3,056 metric tons in the preceding year.

Sulphuric. — Quiet continued to characterize the dealings in the market last week. Price schedules were well sustained for the various grades of sulphuric acid. The dull nature of the dealings could be attributed to some extent to the lower rate of industrial operations. Steel output was scheduled at 30.7 percent of capacity last week, compared with 90 percent a year ago. Automobile production declined to 47,415 units, as against 139,507 units in the same week last year. Textile industry, too, was troubled by curtailments.

Baltimore, May 18.—The uneventfulness in the sulphuric acid market that has been a feature of the situation for some time, shows no signs of yielding to a more active state, what with a lessened demand for acid and the absence of indications of a change that might furnish a basis for the expectation that the requirements in the way of acid might undergo a material expansion. So far all the signs encourage the belief that the business placed by users of acid last September will be ample for all needs likely to arise, and only some very incidental requirements remain to be taken care of. These incidental necessities are not deemed such as to give real stimulus to the market. Meanwhile, however, as production costs are not going lower, but show a likelihood of having a further advance, the producers of acid feel they are not in shape to mark down their quotations, which stand at $12 per ton for 60 degree and at $15 per ton for 66 degree acid.

Insecticides

Demand for agricultural insecticides and fungicides was holding fairly steady. Attention, however, was given to the cooler weather prevailing in most sections of the country, together with heavy rains. European countries were harassed by drought and cold weather. In France fruit and vegetable crops were destroyed by cold and forest fires; Switzerland reported damage of approximatey $10,000,000, because of frost injury to vineyards; Italy suffered large losses in wheat because of frost and sleet, and in the British Isles there has been a scarcity of rain, and in early April hard frosts greatly injured the prospects for fruit.

The weekly weather report from Washington showed that in the central and eastern cotton belt rainfall was mostly light to moderate, except for rather heavy falls in the northeast and central north, and temperatures were generally below normal, especially in the northern districts. The weather was moderately cool, too cool for best results, with rainfall ranging from moderate in most localities to heavy in parts of Texas. In most sections of the belt warmth is needed, and in some eastern sections, especially North Carolina, it is too dry. In the Mississippi Valley area warmer weather during the latter part of the week was helpful, but the period in general was unfavorable because of coolness, especially at night. In Alabama and Georgia stands are mostly good, with planting rapidly approaching completion. In North Carolina, while nights were too cool, droughty conditions were largely relieved. In South Carolina it is still too dry, which, together with cool nights, retarded growth and germination.

Calcium Arsenate. — Withdrawals against contracts were proceeding at a good pace for the most part last week. Sellers report prices were steady to firm.

Lead Arsenate.—A firm tone was displayed in the market throughout the week just closed. Business was reported as up to seasonal expectations.

Nicotine Sulphate.—A broader interest prevailed in the market, and climatic conditions, among other factors, will continue to regulate the future demand. Prices continue the same.

Paris Green.—A fair interest was in evidence again last week. Sellers were adhering to price schedules in force previously.

Paridichlorobenzene.—A continuance of activity prevailed in the market for moth prevention purposes. No change was uncovered in the quotations.

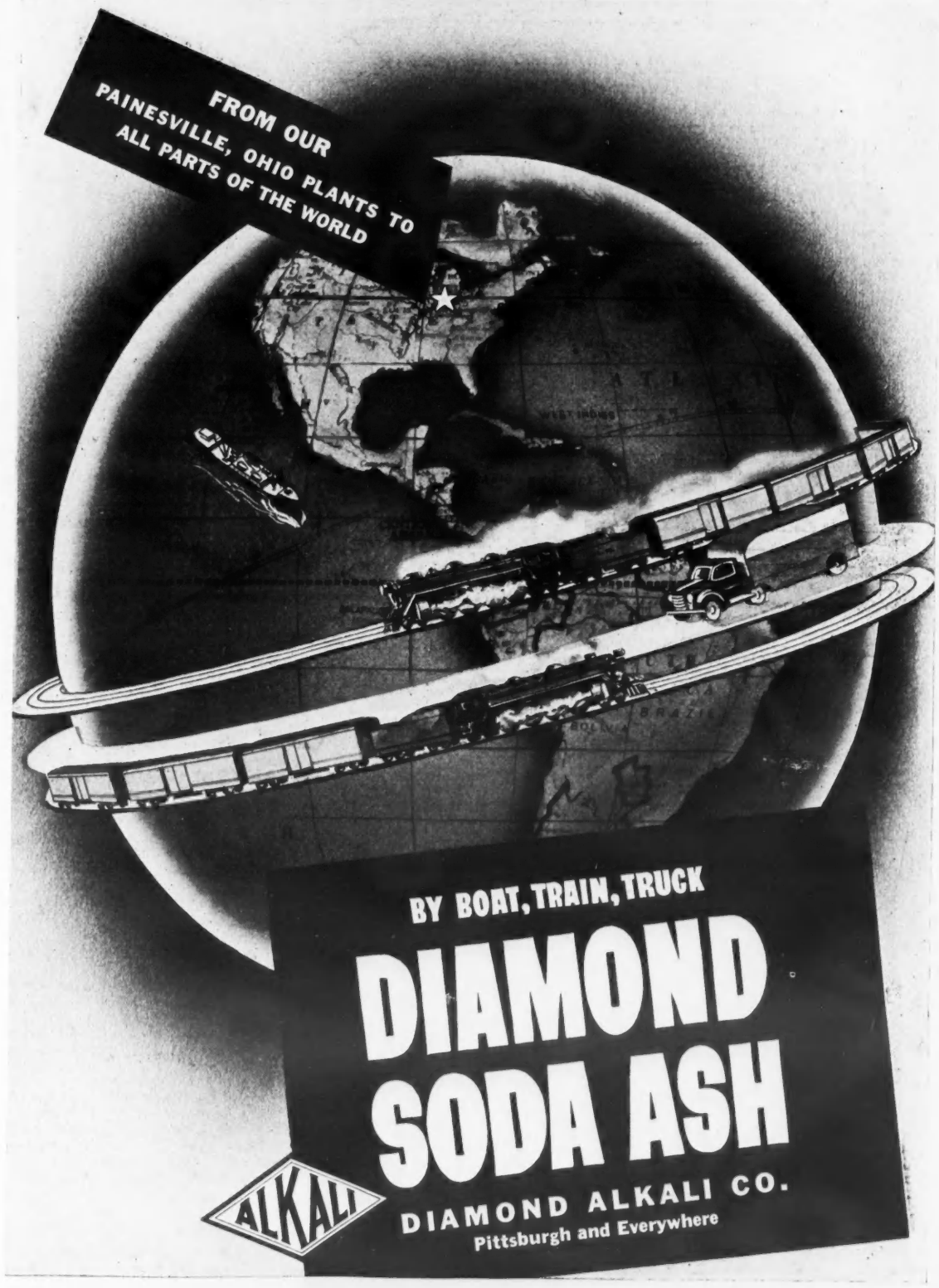
Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

N.Y. Wholesale Drug Bowling League After More Teams

The New York Wholesale Drug Trade Bowling League, which just closed a successful 1937-38 campaign, is making plans for increasing the number of teams during the 1938-39 season. Teams from the drug, chemical, and allied trades desiring to become members should communicate with Frank Zachmann, of E. R. Squibb & Sons, Brooklyn. Entries must be completed before June 1.

Hooker Memorial Service May 23

A memorial service for the late Elon Huntington Hooker will be held May 23 at 4:30 p.m. in the Riverside Church, Riverside drive and 122d street this city. Dr. Harry Emerson Fosdick will officiate.



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Barrett CHEMICALS

Coaltar Chemicals

General Demand Continues Quiet—Benzol Remains Firm Feature —Solvent Naphtha, Toluol and Xylol Buying Better—Coaltar Acids, Intermediates and Colors Steady

Demand for coaltar chemicals offered little in the way of improvement last week. The price situation in the basic products, however, seemed more stabilized, for one thing. Sellers were anticipating some acceleration in business by midsummer, when automotive production on the new models gets under way and the textile industry steps up production schedules for Fall and Winter materials.

Benzol was the outstanding firm spot in the basic products. Supplies of benzol were at a minimum. Prospects for immediate improvement in the statistical position of the market was largely contingent on the trend of steel operations, which were currently maintained around the 30 percent of capacity level. German production of benzol obviously will be enhanced by virtue of the announcement of a four-year plan looking toward self-sufficiency in iron and steel, which includes construction of thirty-two blast furnaces and three new steel works.

Solvent naphtha, toluol and xylol were in a firmer position. The recent price reduction will enable these products to compete with petroleum distillates to a greater degree and relieve some of the uncertainty prevailing in the market. Cresol, cresylic acid and phenol were routine affairs, with demand from the synthetic resin industry and other consumers confined to nearby requirements only. Major consumers of creosote oil, such as the railroads and utilities, were not making substantial withdrawals. Refined naphthalene was in fair demand, but a dull market was still in evidence for the crude material. Coaltar acids, intermediates and colors were steady to firm.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

None

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
126. 1	126.1	127.1	126.7

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol.—The market continued in a firm position. Chemical processors, lacquer trade, rubber industry and miscellaneous consumers were making sufficient withdrawals to keep the available supplies of benzol at a minimum. Prospects for immediate improvement in the statistical position was largely dependent upon steel production, which last week was estimated at 30.7 percent of capacity, compared with 30.4 percent a week ago and 90 percent in the corresponding week a year ago. The outlook for increased production of benzol in Germany was augmented by the announcement of a four-year plan looking toward self-sufficiency in iron and steel, which includes construction of thirty-two blast furnaces and three new steel works. The acquisition of Austria recently has played an important part in these plans because of the rich iron ore deposits in that country, according to the magazine Steel. Last year France imported a total of 365,829 hectoliters of motor benzol, 224,744 hectoliters of which originated in the United States; receipts of industrial benzol aggregated 134,734 hectoliters, of which 122,907 hectoliters came from the United States. The French domestic output of benzol in 1936 amounted to 75,000 metric tons, against 74,600 tons during the preceding year. Of the 1936 production, 40,000 tons, or over 50 percent of the total, was utilized in motor fuels, leaving 35,000 tons available for solvents and for producing intermediates and other products, according to the office of the American commercial attache at Paris.

Cresol.—Orders from the synthetic resin industry, disinfectant and other consumers was spotty last week. There was little disposition to order out beyond nearby requirements. Prices were steady to firm.

Creosote Oil.—The lack of expansion and maintenance work in the railroad and utility industries continued to be felt, and demand from these major consuming channels was for routine needs only. Prices were without alteration. Imports into the United States during the first quarter amounted to 11,762,178 gallons, valued at $1,361,468, compared with 6,566,570 gallons, valued at $772,156 in the corresponding period of 1937.

Cresylic Acid. — The market was quiet, with conservative commitments coming from chemical processors and synthetic resin industry. The demand from disinfectant trade for sheep dipping and other purposes was described as fair. Domestic prices remain the same, Import material held around the same levels as the preceding period, with the undertone still easy.

Naphthalene.—Reports of fair withdrawals for refined naphthalene continue in evidence; crude material continued dull, however, with chemical processors and other important consumers apparently marking time before making substantial withdrawals. Prices ruled unchanged. The import market remained about the same, with an easy tone governing the dealings.

Phenol.—Demand continued highly irregular last week. Sellers continue to adhere to former price schedules. The synthetic resin industry was making moderate withdrawals, and the dyestuff and intermediate manufacturers likewise came in the market for nearby production requirements.

Solvent Naphtha.—The market was a routine affair last week. Prices announced the preceding week should have read:—Hi-Flash solvent reduced 5c. per gallon to 26c. per gallon in tanks, works, freight equalized; drums, 31c. per gallon, same basis. Solvent water-white, reduced 4c. per gallon at 26c. per gallon in tanks, works, freight allowed; drums 31c. per gallon and West Coast, f.o.b. Minnequa, Colorado, 26c. in tanks.

Toluol.—The call from the lacquer trade continued to be largely influenced by automotive production, which last week was estimated at 47,415 units, compared with 53,385 units in the preceding week, and 139,507 units in the corresponding week a year ago. Prices were the same as announced the preceding period.

Xylol.—The market was along the same lines as recent weeks, the call from principal consumers being confined to nearby requirements only. Prices continue at the levels established last week.

Chicago Coaltar Bases

Trade has shown no tendency to pick up noticeably in coaltar bases, but on the other hand, it is not falling off noticeably. Ruling prices exclusive of tax are:—Benzol, 90 percent, 16c. to 17c. per gallon; motor benzol, 10½c. to 11c.; toluol, 22c.; 10-degree xylol, 28c.; solvent naphtha, 26c.; creosote oil, grade 1, 13½c. to 14c.

Coaltar Acids

Anthranilic. — Chemical processors and dyestuff manufacturers continued to make withdrawals in line with current operating schedules, largely reflecting conditions in the textile industry. Prices were without change.

Benzoic.—The call for the technical material was spotty, and withdrawals for nearby requirements only. Prices were steady to firm.

Cleve's.—Only moderate interest was formed in this direction, and sellers were adhering to quotations previously in force.

H.—Dyestuff manufacturers were withdrawing supplies on a hand-to-mouth basis to meet nearby requirements. Prices were well sustained at previous levels.

—*Continued on page* 30

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

Abrasives Output in 1937 Showed Substantial Gain

In 1937 substantial increases occurred in the outputs of garnet and tripoli, but only minor changes may be noted in the movement of other natural abrasives from domestic mines, except ground sand and sandstone, the output of which declined sharply compared with that of 1936. In contrast, the shipments of artificial abrasives increased 17 percent, according to the Bureau of Mines.

Domestic Consumption

	Short tons 1937.	Short tons 1936.
Natural abrasives—		
Emery	320	325
Garnet	4,863	3,820
Grindstones	11,617	10,703
Ground sand and sandstone	328,156	356,423
Millstones, etc.	.....	.....
Oilstones, whetstones, etc.	810	752
Pulpstones	2,939	2,472
Pumice and pumicite	71,007	72,915
Quartz	13,012	12,986
Tripoli	34,936	28,487
Totals	467,660	488,883
Artificial abrasives—		
Silicon carbides	30,365	29,342
Aluminum oxides	86,401	69,825
Metallic abrasives	28,031	24,667
Totals	144,797	123,834

Talc Sales in 1937 Showed Sharp Gain

Talc, pyrophyllite, and ground soapstone sales in 1937, according to reports to the Bureau of Mines, totaled 229,999 short tons, valued at $2,561,753 compared with 216,191 tons valued at $2,343,171 in 1936. Nine States contributed to the production in 1937. Imports ordinarily amount to only about 10 percent of the production of talc, pyrophyllite, and soapstone, from domestic mines, but consist mostly of the more expensive qualities, including talc for cosmetics.

Consumption in U. S.

	Short tons 1937.	Short tons 1936.
Paint	59,660	56,613
Paper	32,127	30,996
Rubber	26,941	27,076
Roofing	23,551	25,160
Ceramics	29,793	19,073
Toilet preparations	4,340	4,293
Foundry facings	3,228	2,781
Other uses	28,265	25,091
Not reported	22,094	25,108
Totals	229,999	216,191

Coaltar Chemicals

Coaltar Acids

—*Continued from page* 28

ported at times for the technical material, and prices were in conformity with the preceding period.

Other Intermediates

Alphanaphthol. — There was little feature to the market last week, with dyestuff and intermediate consumers making moderate withdrawals. Prices were unchanged.

Anilin Oil.—Interest from textile industry and chemical processors was largely restricted by virtue of the curtailments prevalent in various textile lines. Prices were without change.

Anthraquinone.—Another slow week was reported in the market. Dyestuff manufacturers were not inclined to order out beyond nearby requirements. Prices continue steady.

Benzidine.—Withdrawals for the most part were for conservative quantities, despite the cautious nature of the dealings. Prices were well sustained.

Dimethylaniline.—The market offered little in the way of material improvement as far as volume was concerned, and sellers were quoting the same prices as heretofore.

Metanitroaniline. — A steady to firm tone was the rule in the market again last week, but the market continued to be concerned with small quantities.

Mitrobenzene.—Business was spotty throughout the week just closed. Prices were well maintained at previous levels.

Orthodichlorobenzene. — Developments of importance were lacking in this direction. No change was uncovered in the quotations.

Phthalic Anhydride.—A fair interest was reported in the market. The call came from the synthetic resin industry and chemical processors for moderate amounts. Prices were unchanged.

Toluidine.—A steady to firm tone governed the dealings, although business was strictly routine throughout the past week.

—*Continued on page* 30

Kuhne-Libby Plant At Erie Basin Wrecked

Kuhne-Libby Company's compounding and bulk petroleum plant at Erie Basin, Brooklyn, was destroyed by fire, May 18. Officials of the company were unable to estimate the damage but it was believed to have been in excess of $25,000. The company's manufacturing, compounding and delivery facilities have been transferred to its emergency plant in Front street, this city, and also to another plant and warehouse operated by the company in Brooklyn. The fire also did considerable damage to an adjacent building occupied by the Twi-Lac Chemical Company, wax manufacturer.

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PITTSBURGH, PA.

Alcohol Denaturant FD-13 Defined

OPD Washington Bureau
May 16, 1938

Specifications have been issued by the Treasury Department in circular AT 387 for FD-13 one of the denaturants in the recently approved formula for completely denatured alcohol No. 14.

The descriptions and tests comprised by the specifications are as follows:—

FD-13—This material consists of organic hydrogenated and dehydrogenated products free of water and suspended matter, and is distinguished by its characteristic taste and odor.

Color—It shall not be darker than the color produced by 0.2 gram of potassium bichromate in 1000 c.c. of distilled water.

Specific gravity — 0.807 to 0.817 at 15.56/15.56°C.

Solubility in 95 percent ethyl alcohol—The product shall be completely miscible with 95 percent ethyl alcohol.

Solubility in dilute ethyl alcohol solutions.—Two c.c. of the product dissolved in 100 c.c. of 190 proof ethyl alcohol shall show no cloud when diluted with 100 c.c. of distilled water.

Boiling range (A.S.T.M. method D—268—30T).

(a) Not more than five percent shall distill below 100°C.

(b) Not more than 50 percent shall distil below 110°C.

(c) At least 90 percent shall distil below 130°C.

Acetyl number.—It shall be not more than 370.

Determination of acetyl number.—This test is a measure of the total amount of alcohols present for which the maximum is fixed by this specification. The method consists of treating the denaturant with acetic anhydride to form esters, and estimating the unreacted acetic anhydride. The number of c.c. of normal alkali absorbed per c.c. of sample divided into 10,000 gives the acetyl number for which the maximum is specified as 370.

1. Accurately pipette at 25°C. 6.0 c.c. of sample into a 500 c.c. balloon flask, containing 10.0 c.c. of C.P. acetic anhydride, measured at 25°C. The flask must be fitted with an efficient reflux condenser, preferably with ground glass joints. Add small pieces of carborundum to prevent bumping.

2. Boil the mixture gently for two hours. Cool the liquid to room temperature, add 300 c.c. of distilled water to the flask and reheat to boiling for one-half hour.

3. Cool the flask to room temperature by immersing it with the condenser still attached in cold water. The condenser is then removed and the solution titrated to a stable phenolphthalein endpoint with normal NaOH, adding the alkali solution in not more than 5.0 c.c. portions and shaking until the indicator color disappears before adding more alkali; if the end point should be passed, back titrate with normal HCl. Large excesses of alkali must be avoided.

4. The number of c.c. of normal alkali divided into 60,000 shall give an acetyl number not more than 370 to be acceptable according to this specification.

Any material submitted as FD-13 or a compound similar thereto must have the same denaturing properties or equivalent denaturing properties as the standard sample of FD-13 originally approved by the Alcohol Tax Unit, Bureau of Internal Revenue. Standard samples will be furnished the authorized chemists and the branch laboratories of the Alcohol Tax Unit.

Correspondence in regard to this circular should refer to the number thereof and the symbols AT.LB.

N.Y. Production Club President Mattiello

Joseph Mattiello, of the Hilo Varnish Corporation, was elected president of the New York Paint and Varnish Production Club at the May meeting of that organization held May 19, at the Chemists' Club, this city. Mr. Mattiello served as vice-president of the organization during the past year. He succeeds Austin O. Allen, of the A. C. Horn Company. Carlton H. Rose, of the National Lead Company, was elected vice-president, and Preston M. Dunning, of the Colonial Works, was elected secretary-treasurer. The new officers will be installed at the annual meeting of the organization in November.

In a brief business session that preceded the election of officers, Mr. Mattiello, who is also chairman of the program committee for the Club's outing to be held at Briarcliff Lodge, Briarcliff Manor, N. Y., June 25, spoke of organization plans for the outing and appointed Bruno Stolz, of the Sapolin Company, and Robert D. Bonney, of Congoleum-Nairn, Inc., captains of softball teams to oppose each other on the outing.

D. P. Morgan, of Scudder, Stevens & Clark, consultants, gave an illustrated talk on the financial side of the chemical industry, and Louis J. Venuto, of Binney & Smith Company, carbon black suppliers, also gave an illustrated talk on the production, testing and application of carbon black.

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15 CONVENIENT PLANTS TO SERVE YOU

Louisville Paint Ass'n And Production Club Meet

Louisville, Ky., May 7, 1938

The April meeting of the Louisville Paint and Varnish Production Club was held jointly with the Louisville Paint, Varnish and Lacquer Association in the Brown hotel, with fifty-eight members and guests in attendance.

J. A. Wischmeyer, an architect, spoke of the difficulties of securing definite and clear information to permit of writing intelligent specifications for paint which he considered the most important specifications in building. He asked numerous questions dealing with problems of the exterior for wood, brick, galvanized iron, and tin; of the interior for enamel, floor finish, cement and plaster work.

After illustrating the variety of raw materials and the possibilities and limitations in writing specifications on composition or performance, W. E. Fuller discussed the various finishing problems mentioned above, closing with the recommendation that the architect consult with two companies, rewrite his specifications and have a company representative check the paint job as an inspector. After discussing "How to Choose Paint" and the necessity of a photometer, the meeting was thrown open for a general discussion.

M.J. Merkin Heads Paint Charity Drive

A comprehensive canvass of paint, varnish, shellac and lacquer manufacturers in behalf of the $10,000,000 Greater New York Fund campaign to supplement finances of private welfare and health agencies was planned at a luncheon of the manufacturers division of the fund's paint industry committee —May 12 in the Metropolis Club.

M. J. Merkin, president of M. J. Merkin & Co., is chairman of the manufacturers division, which is one of the three units of the paint industry committee headed by E. S. Phillips, president of the Devoe & Raynolds Company. Other units are a dealers division with Harry Hillman, president of Eagle Paint & Varnish Company, as chairman and a suppliers division headed by Thurlow Campbell, president of Valentine & Co.

Members of Mr. Merkin's committee include:—Andrew Baxter, president of the Federal Composition & Paint Company; Edward Blacklidge, vice-president of the Devoe & Raynolds Company; A. E. Horn, treasurer of the A. C. Horn Company; Louis Meyers, treasurer, Hoboken White Lead & Color Company; Leo Silverstein, general manager of Benjamin Moore & Co., and William Zinzer, treasurer, William Zinzer & Co.

Coaltar Chemicals

—Continued from page 29

Coaltar Colors

The market for coaltar colors continued along narrow lines last week. There was no disposition on the part of consumers to make commitments beyond nearby production requirements. The season for white colors has affected the market to some extent, and textile mills were not inclined to step up Fall production schedules at this time. Prices were without change. The Colombia aniline dye trade continued to be dominated by Germany during 1937, and of total imports, amounting to 237,727 kilos, valued at 861,235 pesos, with Germany supplying 149,286 kilos, valued at 740,211 pesos. The United States' participation in the dye trade amounted to 56,621 kilos, worth 71,381 pesos, according to the American commercial attache at Bogota.

Shellac Importers to Golf

The United States Shellac Importers' Association will stage its fourth annual golf tournament at the Wheatley Hills Country Club, East Williston, Long Island, May 24. John R. Anderson, of Ralli Brothers; Louis Gillespie, of the Gillespie Rogers-Pyatt Company, and Morris Rosen, of the Mantrose Corporation comprise the committee in charge. Arrangements for the play, entertainment and dinner are being made by Mr. Anderson.

Clay Sales in 1937 Largest in Seven Years

In 1937 the production and sales of virtually all kinds of merchant clay, except fuller's earth, were larger than in any other year since 1930. Reports from producers to the Bureau of Mines show that the shipments of china clay and kaolin broke all previous records, ball clay production also make a record, and fireclay sales were larger than in any earlier year except 1928 and 1929. The total output of clay was 4,463,551 short tons, valued at $18,004,158. Exports of domestic clay were larger than ever before, and imports increased slightly as compared with 1936 although remaining far below those of the predepression period.

Clay Production

	Short tons 1937.	1936.
Domestic—		
Kaolin, china clay	732,282	638,939
Ball clay	121,470	101,324
Fireclay, stoneware clay	2,785,344	2,471,575
Bentonite	194,768	177,807
Fuller's earth	226,165	230,814
Miscellaneous clays	403,522	392,783
Totals	4,463,551	4,013,242
Imports—		
Kaolin, china clay	146,523	139,797
Common blue, gross almerode	38,549	32,166
Fuller's earth	2,286	2,733
Other clays	17,946	21,183
Totals	205,304	195,879
Exports—		
Fireclay	77,330	65,874
Other clay	91,481	90,569
Totals	168,811	156,443

Consumption by Industries

Ball Clay

	Short tons 1937.	1936.
Architectural terra cotta	5,027	4,735
Enameling	227	100
Kiln furniture	357	868
Paints	626	375
Paper	2,148	2,500
Pottery-stoneware	89,922	71,025
Refractories	446	.....
Tile	22,675	18,109
Miscellaneous	42	.....
Totals	121,470	101,324

Bentonite

	Short tons 1937.	1936.
Cement	1,255	520
Filtering and decolizing oils	83,941	90,704
Refractories	56,970	.....
Rotary-drilling mud	37,210	140,030
Miscellaneous	15,392	.....
Totals	194,768	177,807

Fireclay and Stoneware Clay

	Short tons 1937.	1936.
Abrasives, artificial	1,665	1,055
Architectural terra cotta	11,529	8,566
Asbestos	2,037	1,254
Cement manufacture	2,277	2,322
Heavy clay products	83,305	131,226
Kiln furniture	54,228	48,969
Linoleum	8,135	8,179
Paints	135	1,270
Paper	628	716
Pottery-stoneware	59,168	26,105
Plaster, plaster products	62	958
Miscellaneous	50,958	51,544
Tile	2,550	4,453
Totals	2,785,344	2,471,575

Miscellaneous Clay

	Short tons 1937.	1936.
Architectural terra cotta	1,179	228
Cement manufacture	31,529	23,021
Enameling	198	161
Heavy clay products	140,626	169,062
Paints	429	384
Plaster, plaster products	198	.....
Pottery-stoneware	3,378	2,182
Refractories	38,523	.....
Miscellaneous	40,641	.....
Totals	403,522	392,783

Breakdown on china clay and fuller's earth consumption was in the May 2 issue of the REPORTER.

J.C. Roth President Of Buffalo Paint Ass'n

Buffalo, May 20, 1938

J. Clarence Roth was elected president of the Buffalo Paint, Varnish and Lacquer Assn., at the annual meeting May 13. He succeeds Henry J. Birtch. Milton L. Back, formerly secretary, was made vice-president, while George I. Petroe takes the office vacated by Mr. Back. Homer H. Steele continues as treasurer having served in that capacity for many years.

Members of the executive committee elected at the annual meeting include Andrews S. Butler, Jr., George L. Ginther, James O. Meyers and C. H. Nagel. Victor A. Acer and R. W. Lindsay were chosen as delegates to the national association convention. H. Vernon Smith and William R. Birch have been designated as alternates.

E. Frederick Marsiglio has resigned from his position with the J. T. Baker Chemical Company, Phillipsburg, N. J. He had been with the company seventeen years as chemist and director of research and in sales contact service.

Dyestuffs, Textile and Leather Chemicals

Corn Derivatives Advanced—Demand for Bichromates Slightly Improved—Dyestuffs Quiet—Zinc Dust Unchanged—Tanning Materials Remain Firm—Potash Prussiate Spotty

Demand for dyestuffs, textile and leather chemicals was highly irregular last week. There was little disposition on the part of manufacturing consumers to order beyond current production requirements. Cool and inclement weather in various sections of the country retarded retail sales, particularly in the Chicago, St. Louis and Atlanta districts. Some improvement, however, was reported in cotton textile activity, and leather business was holding up comparatively well. Price changes in the market were confined to advances for cornstarch and dextrin.

Bichromates noted a slight improvement, which could be accounted for by a better interest in leather goods; shoe production was holding up well in the New England and St. Louis areas. Woolen industry was operating around 30 percent of capacity, but there is a possibility that mills will be forced into overtime during the summer months to fill the accumulated needs of buyers, presently Fall buying has been cautious. Zinc dust was unchanged. Potash prussiate was spotty. Dyestuffs were quiet, but a steady to firm tone governed the dealings. Some activity was witnessed in cotton mill activity, while rayon production held unchanged. Dextrin and starch were advanced last week, reflecting the firmness prevailing for the basic commodity. Dried egg products were steady, with the shell egg market more stabilized. However, reports of a resumption of imports from China was uncovered last week, the first in some months. Raw tanning materials were unchanged.

Cotton consumed during April totaled 414,392 bales of lint and 57,852 bales of linters, compared with 510,941 bales and 60,443 bales during March this year, and 718,975 bales and 73,715 bales during April last year, according to the Census Bureau report. For 9 months ended April 30, cotton consumption totaled 4,438,159 bales, against 6,016,882 bales in the same period last year. Cotton spindles active during April numbered 21,786,054, against 22,288,098 in March and 24,727,106 in April, 1937.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Dextrin, corn, 5c. per 100 lbs.
Starch, corn, 5c. per 100 lbs.

Reduced

None

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
152.2	152.1	153.4	154.1

Market news that may have developed after this report was sent to press will be found on page 4.

Chemicals

Alumina Chloride.—Major consumers have not altered their policy of ordering out for nearby requirements only. Prices remain unchanged, and a steady to firm tone prevailed.

Potash Bichromate.—A fair interest was reported for the account of the leather trade last week. Demand from the textile industry was inclined to lag at times. Prices were well sustained at previous levels.

Potash Prussiate.—Business was spotty in this direction again last week. Consumers were coming into the market from time to time for moderate commitments. Prices ruled unchanged.

Soda Bichromate.—Sellers report a little improvement in the market. Buying, however, continued to be confined to nearby production requirements only. Primes remain the same.

Zinc Dust.—Price was holding steady last week. Business was described as quiet in most quarters, with the disposition to limit withdrawals to nearby needs.

Dyestuffs

Annatto.—Business in the market for the seed and paste materials was dull. Sellers continue to adhere to quotations in force previously.

Archil.—Another quiet week was the rule in the market. Despite the dull nature of the dealings, sellers were not disposed to alter prices.

Cochineal.—The market lacked any material improvement, with a conservative buying policy still in evidence. A steady to firm tone governed the dealings.

Indigo.—The call for the natural and synthetic indigo was limited. There was no disposition on the part of consumers to order beyond nearby needs. Prices were without change.

Logwood.—A steady to firm tone governed the dealings, but business continued along narrow lines for the most part last week.

Quercitron. — Quiet continued to characterize the dealings, and the market was concerned with small quantities. Prices were in conformity with the previous week.

Sizing Materials

Albumen, Egg.—The first signs of a revival in the import market for many months was uncovered last week. In view of the Sino-Japanese hostilities, shipments from China have been negligible so far this year. However, exports were not large and only spasmodic offerings made their appearance. China's business in the market was only 25 percent of normal, most of the material going to continental Europe. The dried egg market was steady last week, reflecting the stabilized conditions prevailing in the shell egg market. Business was reported as quiet.

Dextrin.—Prices were advanced 5c. per 100 pounds last week. Sellers report a fair size amount of business on the books. The basic commodity remained relatively firm. Visible supplies of corn for the week ended May 14 totaled 34,365,000 bushels, compared with 37,589,000 bushels in the preceding week, and 3,224,000 bushels in the corresponding week a year ago. The export market continued very active, corn shipments to Canadian ports in the last few days have established a record at 2,600,000 bushels. Prospects of a continuance of this activity was apparent because heavy chartering of additional space has been reported.

Egg Yolk.—The market was a quiet affair throughout the past week. Despite the lethargy prevailing, there was little disposition to alter quotations in view of the stability prevailing in the shell egg market.

Starch.—Prices for pearl and powdered corn starch were advanced 5c. per 100 pounds, reflecting to some extent the firmness in the basic commodity, together with the favorable statistics reported for the corn grind. Business was holding fairly steady. The weekly weather report on corn pointed out that with the prevailing low temperatures in central and eastern portions of the corn belt, progress of that crop was slow and planting continued inactive, being considerably behind an average season in many places. However, rather widespread moisture in the Ohio Valley and middle Atlantic area was favorable in softening the top soil and, with higher temperatures will promote better germination. More rain is needed in most sections of the belt east of the Mississippi river.

Tanning Materials

Mangrove Bark.—A steady to firm tone prevailed in the market last week. Business, however, continued to mark time. Exports of mangrove bark cutch from the Philippine Islands during the first quarter this year amounted to 1,245 tons, according to the Department of Commerce. This compared with 1,420 tons exported in the preceding three month period and 1,420 tons in the corresponding quarter a year ago. Exports in the first quarter of the current year were low in January and February, but some revival was recorded in March, according to the report.

Myrobalans.—The call for the various myrobalans and extracts was spotty. There was no disposition on the part of sellers to change prices in either direction.

Sumac.—Interest in the market was strictly routine. Sellers were looking forward to additional business within the next few months. Prices were without change.

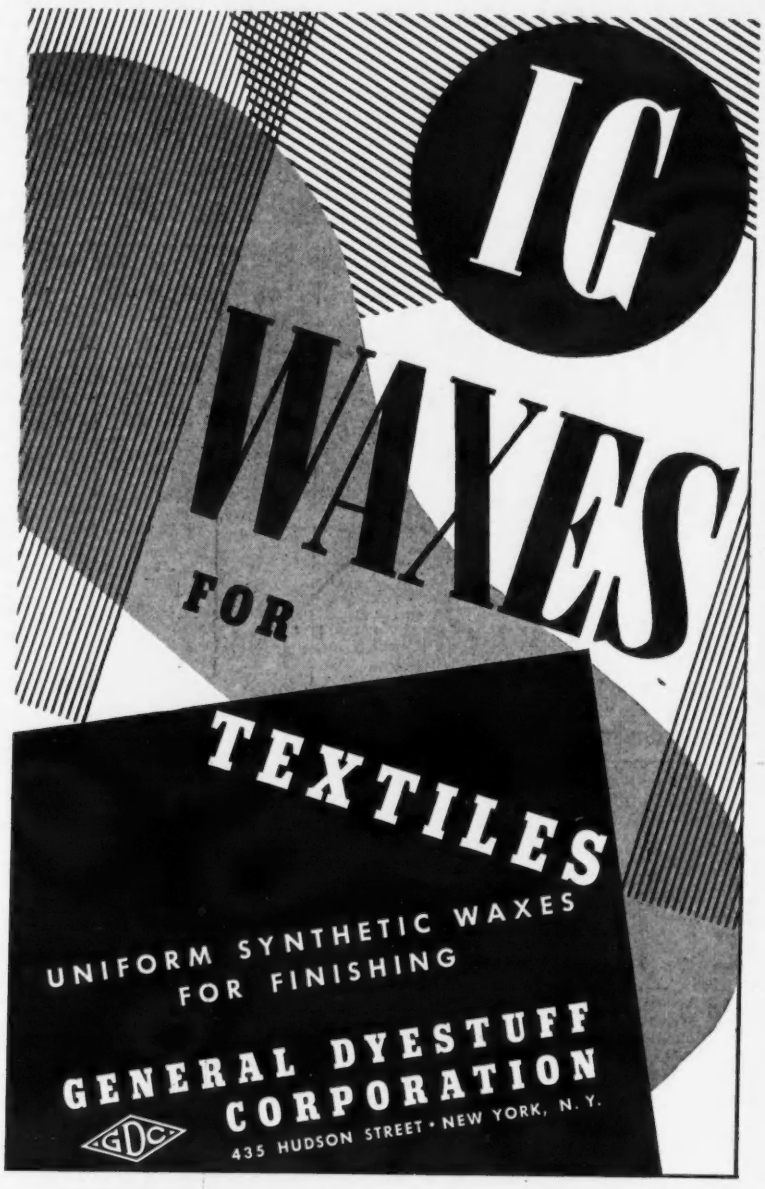
Valonia.—Prices were well sustained last week. Sellers report little improvement in the demand, with a hand-to-mouth buying policy prevailing.

Wattle Bark.—Dealings in the market remain quiet. Prices were in conformity with the preceding week.

Prior Chemical House Organ Discusses Dyeing Processes

The Prior Chemical Corporation, this city, in the May issue of its house organ, "Priorities," discusses briefly the history of dyes. The article relates that in some mordants certain metallic salts are used which, in addition to the function of giving permanence, also improve the qualities of the colors in other respects. The article states that is true of soda bichromate in dyeing cotton and to an even greater extent in the case of wool.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7



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FALK QUALITY PRODUCTS SINCE 1910

FALK QUALITY MEANS BETTER PRODUCTS

Paint, Varnish, Lacquer Materials

Buyers Continue to Operate Cautiously—Varnish Resins Steadier —Lead Price Holds Unchanged—Rosin and Turpentine Quiet

Last week's consuming demands for paint, varnish and lacquer chemicals held close to the volume of recent weeks but the ordering rate was very spotty and the buyers were very cautious in their commitments, taking deliveries of prompt manufacturing requirements only. The price developments of the period were not important and perhaps the most singular feat of the week an absence of declines in prices for natural resins. The price tone in the cable advices from the gum markets abroad seemed to have leveled off last week after an extended period of lowering values. Mercury colors advanced on a sudden and sharp ascent of quicksilver prices.

Metallic lead prices held unchanged in the face of the uncomfortable influence of a sharp break in copper prices. Lead has not been changed in price since February and the derivative oxides have been steady sympathetically.

Rosin and turpentine were quiet in Southern and local markets last week, transactions in the former commodity being on a much smaller scale than in the previous week. Offerings in primary centers were light, however, and price movements were mainly narrow. Weather conditions were generally favorable for production and marketing operations and receipts in primary centers were large.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Mercury oxide, tech., red, yellow, 9c. per lb.
Red, vermilion, quicksilver, 10c. per lb.
Rosin, gum, pale grades, 15c. per 280 lbs.
Talc, alum-magnesia type, l.c.l., 50c. per ton.

Reduced

Rosin, gum, low, medium, 5c. to 20c. per 280 lbs.

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
130.4	**130.4**	**130.4**	**132.6**

Market news that may have developed after this report was sent to press will be found on page 4.

Metallic Lead and Zinc

Prices for pig lead held in a steady position at 4.50c. to 4.55c. per pound in New York and 4.35c. per pound East St. Louis. The market held steady in the face of a sharp cut in the price of copper. Smelters are evidently anxious to hold the market at its present level and maintain the current wage scale of the miners because of the possibility of labor difficulties if the wage scale was lowered. The demands for lead have been very spotty.

Zinc prices remained at the reduced level established a week ago. The galvanizers were not buying beyond their immediate needs and the bookings were very light. It was reported last week that a smelter in Henrietta, Okla., will be shut down June 1. This unit has been producing 2,500 to 3,000 tons of prime Western metal a month.

Lead.—Prevailing spot prices at New York, East St. Louis and London for the period from May 14 to May 20, inclusive, were as follows:—

	Pigs				
	Per pound		Spot. London. Per ton		
	New York.	E. St. Louis.	£	s.	d.
Saturday	$0.0450@.0455	$0.0435	..	..	..
Monday	.0450@.0455	.0435	14	6	3
Tuesday	.0450@.0455	.0435	14	1	3
Wednesday	.0450@.0455	.0435	14	2	6
Thursday	.0450@.0455	.0435	13	15	0
Friday	.0450@.0455	.0435	13	8	9

Zinc.—Prevailing spot prices at New York, East St. Louis and London for the period from May 14 to May 20, inclusive, were as follows:—

	Slabs				
	Per pound		Spot. London. Per ton		
	New York.	E. St. Louis.	£	s.	d.
Saturday	$0.0440	$0.0400	..	..	..
Monday	.0440	.0400	12	16	3
Tuesday	.0440	.0400	12	11	3
Wednesday	.0440	.0400	12	13	9
Thursday	.0440	.0400	12	10	0
Friday	.0440	.0400	12	6	3

Pigments

Lead prices held firm against the influence of reduced prices for other metals. The lead market has not been changed since February 10 and the prices for derivative oxides in barrel packing have held a sympathetic steadiness since that time. Trade in opaque and metallic pigments was mild last week, having held around the volume of the preceding week. Buyers were taking supplies for immediate needs and the size of individual orders was small. Current business was perhaps a little better than at this time last Spring but the aggregate volume for the season to date was upwards of 30 percent behind that of last season.

White Lead.—May business in dry pigments with the manufacturing buyers has been quite spotty. Last week's calls for deliveries were no better than those of the preceding week and sellers described the condition of the demand side of the market as having been spotty to fair. Prices held unchanged.

Red Lead.—There has been no change in metal prices since the middle of February. Hence, the car lot and l.c.l. prices for dry red lead were unchanged. Lead's position of steadiness has been held in the face of declining values for other metals. The storage battery people were spotty buyers and and the paint industry's demands were light.

Litharge.—The position of this material was similar to that of red lead. Prices for material in barrels have not been changed since February and the current period of steadiness in the market has been remarkably long. The demands continued light.

Lithopone.—The rate of ordering against contracts continued spotty. The size of individual orders received at the producing plants in the East was small and the trade seemed to be ordering replacements only as fast as the finished products were moved out of the plants. Prices have held in an unchanged position.

Titanium Pigments.—The past week's market did not differ from that of recent weeks. Trade during May has held its own with April business but there was not much snap in the market and buyers were taking quantities to meet their immediate needs only. Prices for titanium oxide and the compound pigments were steady.

Zinc Oxides.—The producers of lead-free and leaded oxides were unable to point to much in the way of new developments. Demands against contracts have been very spotty and the aggregate of business done this month to date was not very encouraging. The steadiness of prices was perhaps the market's outstanding achievement.

Fillers and Extenders

Fillers, extender products and mineral whites gave a quiet and uneventful performance last week. Trade was very irregular and erratic. A canvass of prices on materials in this group revealed a steady situation here and out of town. The lone change reported was a small increase in the l.c.l. price of alumina-magnesia type of talc that is produced in Ohio.

Gypsum.—The decline in production and sales of gypsum products that began in the July-September, 1937, quarter continued through the first quarter of this year, according to the Bureau of Mines. Domestic crude gypsum output of 452,620 tons was off 25 percent from the first quarter of 1937; imports of 6,348 tons were off 77 percent from the first quarter of last year. The

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

quarter's sales of calcined material for manufacturing use included 3,600 tons to plate glass and terra cotta works; 4,081 tons to pottery works; 23,599 tons for dental and orthopedic plasters, and, unclassified manufacturing uses.

Metronite.—The producer of this pigment reported that the market was unchanged in price.

Talc.—The l.c.l. price for aluminum-magnesia type of material which is produced in Ohio was now named at $24.50 per ton against the former price of $24 per ton, f.o.b. mills. The car lot figure of $21 per ton at the mill continued unchanged.

Tripoli.—There has been no recent change in the position of this material, according to reports from the producers.

Dry Colors

Earth and chemical colors moved into consumption in very mild fashion last week. Buyers were still operating very cautiously and ordering small-sized lots for their prompt needs only. The rubber tire manufacturers call for deliveries of carbon black continued light and prices for standard grade blacks have been holding unchanged for the past several weeks. Prices for colors in general have been held on a very steady plane during the current quarter.

Alkali Blue Toner.—There has been no change in the price of this article recently. Ink makers' demands have been moderate.

Carbon Black.—The tire makers orders for deliveries into the Akron shops have not shown any improvement during the past few weeks. The orders for specialty blacks used by the paint and ink makers were also light. Prices have not been lowered during the past several weeks.

Eosin Toner.—As reported a week ago sellers had divided ideas on price with some naming $1.50 per pound, but most were holding for $1.60 per pound.

Iron Oxides.—The market for all types has been without price change for some time. The demands from the buying trades have been very spotty.

Lithol Toner.—Quotations for this and other toners have been held in a steady position throughout the year to date. The calls for deliveries are mostly for single barrel lots.

Mercury Oxides.—A sudden boost of quicksilver prices forced a revision in the technical red and yellow oxides, Friday. The prices were raised 9c. per pound to the basis of $1.21 per pound for technical yellow and $1.26 per pound for technical red.

Vermilion.—Prices for quicksilver vermilion were increased 10c. per pound Friday, following a boost in quicksilver values on the preceding day. The schedule for the red was now based at $1.55 per pound for large lots with usual differentials for smaller quantities up to $1.69 per pound.

cent weeks but the halt of price decline

Zinc Yellow.—Prices for this commodity continued in an unchanged position and the activity on the demand side of the market was mild.

Varnish Gums

Prices for natural resins held free from price decline for the first time in the past several weeks. Prices cabled from the replacement markets abroad were steadier at the reduced levels that have been established during recent weeks. Buying for replacement or for spot position was no better than in recent weeks but the cess of price decline provided a more cheerful tone in the market.

Copals.—The Congo, East India, Manila and other gradings passed through last week without a change in price. Cables from abroad had a steadier price tone than those of the few preceding weeks.

Dammars.—The declines of price which have featured the market for some weeks past seemed to have halted last week. There were no changes in the replacement market prices cabled from abroad. The demands have not been stimulated by the recent downward movement of prices.

Gilsonite.—Producers in the West reported that the prices for selects and seconds continued without change.

Synthetic Resins

The ester gum market's position was not materially different from a week ago. Trade continued in a small and irregular fashion. Prices continued unchanged at the basis of 7¼c. per pound for large lots.

Naval Stores

Quieter conditions prevailed in primary and local markets for naval stores last week. In the case of rosin the slowing down of business was said to have been rather marked. The sales at Savannah and Jacksonville as officially reported were generally small and less was heard concerning transactions on private terms, the change in the situation in the latter respect being very noticeable as compared with the previous week when the purchases by soapers and paint trade interests as well as other consumers were said to have reached an important total. Occasional inquiries for rosin for foreign account were reported, but export transactions for the week were apparently light in comparison with the previous period.

The slowing down of domestic and foreign business last week was attributed by some to a reactionary trend in the markets for securities and various commodities as well as to more or less disturbing political developments at Washington and to a continuation of unfavorable reports concerning the condition of general business in this country. The tone of Southern markets was steady or firm, however, variations in prices from day to day being comparatively narrow. Some thought the primary markets held up well in the face of a further expansion in production and marketing operations. On Tuesday the arrivals of rosin at Savannah and Jacksonville exceeded 5,000 barrels, while the receipts of turpentine amounted to 933 barrels.

Despite the large receipts, however, daily offerings in primary centers were generally light, and it was reported that much of the rosin and turpentine was moved into storage under the provisions of the government loan program, estimates of the quantity being placed in storage running as high as 75 percent of the arrivals. Supplies in the three principal markets in the South are now larger than at this time last season, stocks of rosin being much heavier than then.

In the local market a good inquiry was reported for rosin in bags containing 100 pounds. Paint makers have been the chief buyers recenty, but interest in this size container appears to be expanding among consumers in other fields.

Turpentine.—There was a continuation last week of the steady tone noted in recent preceding periods, prices in Southern and local markets undergoing little change. Business here was again on a small scale, consumers and dealers as a rule still being disinclined to purchase in advance of current needs, although consumption is said to have increased recently in painting operations. Receipts in primary markets continued large.

SAVANNAH, May 20.—The turpentine market retained a steady tone. Following is a record of the market for the week:—

	Cents per gal.	Barrels Sales.	Receipts.	Shipments.	Stocks.
Saturday....	23	95	400	80	32,089
Monday.....	23	93	402	124	32,367
Tuesday....	23	59	706	228	32,845
Wednesday.	23	56	480	10	33,315
Thursday ..	23	18	648	25	33,938
Friday	23	...	649	5	34,582

JACKSONVILLE, May 20.—Turpentine was quiet and steady. Following is a record of the market for the week:—

	Cents per gal.	Barrels Sales.	Receipts.	Shipments.	Stocks.
Saturday....	23¼	39	349	...	13,125
Monday.....	23½	...	517	936	12,706
Tuesday....	23	24	227	1	12,932
Wednesday.	23¼	12	266	...	13,198
Thursday ..	23	25	256	5	13,449
Friday	23¼	51	340	1	13,788

PENSACOLA, May 14.—The turpentine market was quiet. Following is a record of the market for the week:—

	Barrels Receipts.	Shipments.	Stocks.
Monday	174	162	23,093
Tuesday	224	82	23,233
Wednesday	136	...	23,371
Thursday	157	...	23,528
Friday	266	...	23,794
Saturday	248	...	24,042

CHICAGO, May 20.—Turpentine business remains slack. Ruling prices at the close of business last night were: Five-drum lots, 30c. per gallon; five wood barrels, 35c.; single drums, 33c.; single barrels, 38c.

LONDON, May 20.—Quotations on turpentine were as follows:—

	Per cwt. In bbls. s.	d.
Saturday	31	9
Monday	31	9
Tuesday	31	9
Wednesday	31	9
Thursday	31	9
Friday	31	9

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

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VOL 133 NO 21 MAY 23 1938 XUM

Stocks of American turpentine in London were:—

	May 20.	Previous week.	Last year.
Barrels	23,673	22,972	14,993

Rosin.—The local market had a steady or firm tone last week but aside from this the situation here lacked features of interest. Business was quieter, such transactions as were noted being limited to comparatively small quantities to meet the current requirements of consumers. Receipts at primary points were liberal and stocks showed a further increase, supplies now being considerably larger than at this time last season.

PENSACOLA, May 14.—The rosin market was quiet and steady. Following is a record of the market for the week:—

	Barrels					
	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Receipts..	579	819	237	307	502	623
Shipments	...	430	1,405	...	...	1,945
Stocks	20,976	21,365	20,197	20,504	21,006	19,684

CHICAGO, May 20.—Business in rosin is reported at a low ebb. Ruling prices at the close of business last night were: B grade, $6.55 per lot of 280 pounds; G grade, $7.47½; M grade, $7.55; W. W. grade, $9.25.

SAVANNAH, May 20.—Rosin quotations moved within narrow limits. Following is a record of the market for the week:—

	Price per unit—Low of range quoted—					
	Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B	$3.55	$3.55	$3.55	$3.45	$3.45	$3.45
D	3.70	3.70	3.70	3.65	3.65	3.65
E	3.75	3.75	3.75	3.75	3.70	3.70
F	4.15	4.15	4.15	4.15	4.10	4.10
G	4.45	4.47½	4.47½	4.40	4.35	4.40
H	4.50	4.55	4.55	4.40	4.37½	4.40
I	4.50	4.55	4.55	4.40	4.37½	4.40
K	4.52½	4.55	4.55	4.40	4.40	4.40
M	4.52½	4.55	4.55	4.40	4.40	4.40
N	5.02½	5.05	5.10	5.00	4.95	5.00
WG	5.75	5.75	5.80	5.65	5.60	5.65
WW	6.20	6.20	6.25	6.20	6.20	6.35
X	6.20	6.20	6.25	6.20	6.20	6.35

	Barrels					
Sales	126	292	174	591	367	232
Receipts	2,092	1,978	3,522	2,400	1,859	2,550
Shipments	60	1,754	866	319	210	5
Stocks	98,958	99,182	101,838	103,919	33,938	100,813

JACKSONVILLE, May 20.—Rosin was quieter. Receipts were liberal. Following is a record of the market for the week:—

	Price per unit—Low of range quoted—					
	Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B	$3.45	$3.45	$3.45	$3.40	$3.40	$3.40
D	3.65	3.65	3.65	3.55	3.55	3.55
E	3.75	3.75	3.70	3.60	3.60	3.60
F	4.15	4.15	4.15	4.05	4.05	4.15
G	4.45	4.47½	4.40	4.30	4.15	4.15
H	4.50	4.55	4.45	4.35	4.22½	4.25
I	4.50	4.55	4.45	4.35	4.22½	4.25
K	4.52½	4.55	4.45	4.37½	4.22½	4.27½
M	4.52½	4.55	4.47½	4.40	4.30	4.32½
N	5.00	5.05	5.00	4.95	4.85	4.85
WG	5.75	5.75	5.65	5.60	5.50	5.50
WW	6.20	6.20	6.20	6.20	6.10	6.10
X	6.20	6.20	6.20	6.20	6.10	6.10

	Barrels					
Sales	212	215	321	513	24	364
Receipts	3,798	1,945	1,634	1,233	1,514	2,018
Shipments	...	911	120	60	521	239
Stocks	88,497	89,531	91,045	91,218	93,211	95,000

LONDON, May 20.—Quotations on American rosin were as follows:—

	Per cwt. in barrels			
	Common.		W.W.	
	s.	d.	s.	d.
Saturday	13	6	19	3
Monday	13	6	19	3
Tuesday	13	6	19	3
Wednesday	13	6	19	3
Thursday	13	6	19	3
Friday	13	6	19	3

Pine Oil.—A steady tone continued to prevail. There was a fair movement into local and other consuming channels, although new business remained quiet.

Pitch.—The market retained a steady tone, spot quotations generally being held at the levels prevailing in the previous week. There was a fair demand.

Rosin Oil.—Local quotations were generally stationary in the absence of any material change in conditions prevailing in primary centers for basic material. Trade was quiet.

Tar.—There was a fair movement into consuming channels on contracts and transient orders and the market remained in a steady position.

Naval Stores Act Regulations Revised

OPD Washington Bureau
May 18, 1938

Revised regulations under the naval stores act have been promulgated by the Food and Drug Administration of the Department of Agriculture, and copies will be made available to the trade shortly.

The new regulations completely revise all former rulings for enforcement of the naval stores act and incorporate a number of changes which have been made from time to time since the first regulations were issued in 1924, as well as incorporating other changes based on experience in enforcing the act. The new regulations, designated Service and Regulatory Announcements Naval Stores No. 1, will become effective June 1.

Shellac

Business in shellac on this market changed very little during the past week. The call was mainly from special users of the article, and on the whole reached a total that was not very large. Pricewise, the market appeared to be reasonably steady. Bonedry was quoted at the minimum price of 17c. per pound, New York, with the usual advances for Boston, Chicago, and Pacific Coast deliveries. Changes in London and Calcutta prices were very small and were in favor of buyers. In the main, the world shellac markets appeared to be reasonably steady.

Calcutta, May 20.—Shellac quotations on the landed New York basis, ex dock net cash, were as follows:—

	Per pound	
	May 20.	May 13.
May	9⅞c.	10c.

Quotations were as follows from day to day:—

	Per pound.
May 13	10c.
May 14	No cables
May 16	10c.
May 17	9⅞c.
May 18	9⅞c.
May 19	9⅞c.
May 20	9⅞c.

London, May 20.—Prices quoted on pure T. N. shellac, basis of sterling exchange at $4.88, were as follows:—

	May 20		May 13	
	Shillings. Cwt.	Cents. lb.	Shillings. Cwt.	Cents. lb.
May	37½	8.2	39	8.5
August	38½	8.3	40	8.7

Day-to-day closing prices were as follows:—

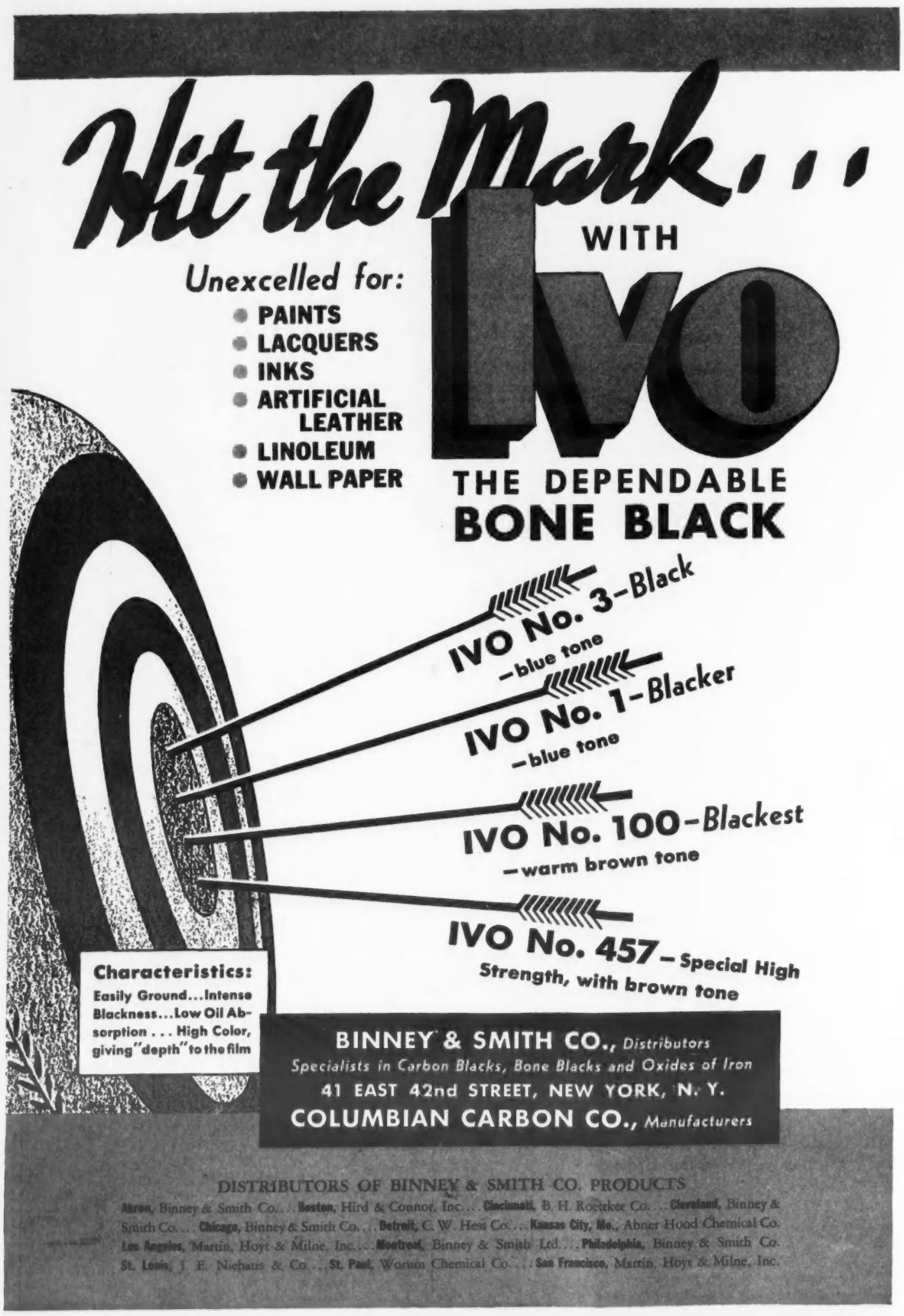
	Per hundredweight			
	May.		August.	
May 13	39s	..	40s	..
May 14	No cables			
May 16	38s	6d	39s	6d
May 17	38s	..	39s	..
May 18	38s	..	39s	..
May 19	38s	..	39s	..
May 20	37s	6d	38s	6d

Lacquer Materials

Business in the market for lacquer materials and solvents was spotty. In most instances principal manufacturing consumers were restricting commitments to nearby production requirements. Prices were without alteration. Acetone was quiet. Cellulose acetate was a routine affair. Dibutyl phthalate was steady. Methyl acetate demand was only fair. Pyroxylin withdrawals were moderate and triphenyl phosphate continued firm. Automobile production was estimated at 47,415 units, compared with 53,385 units in the preceding week and 139,507 units in the corresponding period a year ago. Advance preparations for 1939 models indicate that the streamline type of design will gain in importance and that more bridge type frames will be used. Consumption of crude rubber by manufacturers in the United States during April was estimated at 27,984 long tons, a decline of 8.2 percent from the previous month and 46 percent under a year ago, according to the Rubber Manufacturers Association.

Acetone.—Quiet conditions prevailed in the market last week. Major consumers were still adhering to a cautious purchasing policy. Prices were unchanged from the preceding week.

Cellulose Acetate.—The market continued along routine lines for the most part, with consumers not disposed to order beyond nearby requirements. Prices were unchanged. March exports


Hit the Mark...
WITH
IVO
THE DEPENDABLE
BONE BLACK
Unexcelled for:
PAINTS
LACQUERS
INKS
ARTIFICIAL LEATHER
LINOLEUM
WALL PAPER
IVO No. 3–Black
–blue tone
IVO No. 1–Blacker
–blue tone
IVO No. 100–Blackest
–warm brown tone
IVO No. 457– Special High
Strength, with brown tone
Characteristics:
Easily Ground...Intense Blackness...Low Oil Absorption . . . High Color, giving "depth" to the film
BINNEY & SMITH CO., Distributors
Specialists in Carbon Blacks, Bone Blacks and Oxides of Iron
41 EAST 42nd STREET, NEW YORK, N. Y.
COLUMBIAN CARBON CO., Manufacturers
DISTRIBUTORS OF BINNEY & SMITH CO. PRODUCTS
Akron, Binney & Smith Co. . . . Boston, Hird & Connor, Inc. . . . Cincinnati, B. H. Roedker Co. . . . Cleveland, Binney & Smith Co. . . . Chicago, Binney & Smith Co. . . . Detroit, C. W. Hess Co. . . . Kansas City, Mo., Abner Hood Chemical Co. Los Angeles, Martin, Hoyt & Milne, Inc. . . . Montreal, Binney & Smith Ltd. . . . Philadelphia, Binney & Smith Co. St. Louis, J. E. Niehaus & Co. . . . St. Paul, Worum Chemical Co. . . . San Francisco, Martin, Hoyt & Milne, Inc.

VIKING
Petroleum Solvents
PENTANE
HEXANE HEPTANE
PETROLEUM ETHER
LIGROIN BENZINE
LOW COST - HIGH QUALITY
Special Solvents for Specific Purposes
VIKING DISTRIBUTING CO.
K.V. BLDG., CHARLESTON, W.VA.

THE BRADLEY STENCIL MACHINE

MACHINES TO CUT ½ in., ¾ in., 1¼ in., 1½ in. LETTERS
CUTS PAPER SHIPPING STENCILS
A. J. Bradley Mfg. Co.
101 Beekman Street New York

Important—
Be sure your pails have "Howed-In" Gaskets
DEWEY AND ALMY CHEMICAL CO.
CAMBRIDGE MASS.

"SUCO"
Ultramarine Blues
Alkali Blue Toners
Methyl Violet Toners
Blanc Fixe
•
STANDARD ULTRAMARINE COMPANY
HUNTINGTON, W. VA.

Shawnee
DRY COLORS
"Color Content Guaranteed"
Chrome Greens
Chrome Yellows
Toluidine Reds
Para Reds Iron Blues
Lake Colors
Ultramarine Blue
KENTUCKY COLOR & CHEMICAL CO.
Incorporated
General Office and Works
LOUISVILLE, KENTUCKY
Offices and Agents In Principal Cities
Distillers of Coal Tar Products

of cellulose acetate sheets, rods and tubes totaled 11,583 pounds, valued at $7,198, of which 3,930 pounds went to Germany; 2,041 pounds to Canada; 5,065 pounds to Australia; 455 pounds to the United Kingdom, and 92 pounds to other South Africa.

Dibutyl Phthalate.—Consumers were confining purchases to urgent requirements only. Prices were in conformity with the preceding period.

Methyl Acetate.—Interest was described as fair throughout the week just ended. Sellers were adhering to quotations established previously.

Pyroxylin.—Demand was along moderate lines again last week. There was little disposition to place orders beyond immediate requirements. Prices continue the same. March exports of pyroxylin sheets, rods and tubes aggregated 35,489 pounds, valued at $28,632, of which 32,145 pounds was shipped to Canada; 1,500 pounds to Belgium; 658 pounds to Union of South Africa, and 429 pounds to Norway.

Triphenyl Phosphate.—Business was reported as holding steady. Commitments, however, were held to moderate proportions in most instances. Price continued at the 38c. per pound level.

Driers

Local suppliers of stearate driers said that last week's business held its own with that of the few preceding weeks. There has been no improvement in the volume or frequency of ordering but the decline of business seems to have leveled off. Prices continued in a firm position.

Glues and Binders

Casein. — The market's performance was featureless. Some interests were leaning a little toward the stronger side of the market but car lots of 20-30 mesh were offering at 6½c. to 7c. per pound, while the 80-100 mesh was 7c. to 7½c. per pound, both delivered. Production continued at a normal rate while the consumption was light.

Paint Styling Council Lists Color Factors

OPD Washington Bureau
May 18, 1938

An eight-point listing of factors which should govern choice of color schemes for residential exteriors has been issued to the industry by the Council for Paint Styling, as a result of conclusions reached by the technical and fact-finding committee.

The eight points considered essential in deciding on an exterior color scheme are:—Style of architecture; surroundings (foliage, neighboring houses, neighborhood); size of house; materials used in construction (brick, stucco, stone, clapboard, shingle); roof color; quantity of trim; previous color treatment; and prevailing style trend.

In submitting these findings to the industry, the Council for Paint Styling urges all manufacturers to feature them in whatever bulletins or house organs they may issue to their sales force and dealer organizations. While definite styling information is not ready for immediate use, it is true that dozens of surveyors are now busy from coast to coast gathering data on which styling recommendations for both exterior and interior will be based.

Those attending the meeting were:—Clarence Deutsch, St. Paul; J. Frank Jones, Richmond; Miss Lonore Kent, Washington; Ivor Kenway, New York; Miss Mary McCafferty, Pittsburgh; George I. Petroe, Buffalo; Mrs. E. K. Roberts, New York; H. Ledyard Towle, Pittsburgh; M. Rhea Paul, chairman, New York, and Laurence Kiefer, secretary. George S. Stuart, executive director of the Painting and Decorating Contractors of American, also attended the meeting as a guest.

Cleveland Paint Ass'n Nominates R.L. Hawkins

The Cleveland Paint, Varnish and Lacquer Association will hold its annual meeting at the Acacia Country Club May 27. The afternoon will be devoted to golf, followed by a dinner and business meeting at which officers for the ensuing year will be elected.

The nominating committee will present the following slate:—President, R. L. Hawkins; vice-president, J. L. Caruth; treasurer, J. A. Gehring; secretary, N. W. Putman. Executive board nominees are:—R. L. Hutcheon, W. A. Alpers, W. T. Clark, A. J. Forth, S. C. Wagebnab, C. M. Kolb, J. D. Tracy and W. B. Leslie.

HOW THE P.A. WON MORE PAY –

YOU'VE GOT TO CUT THESE COSTS!
COSTS
CHEER UP! CUTTING COSTS IS WHERE I SHINE
BEMIS Waterproof BAGS
THANKS! YOU BROUGHT COSTS DOWN AND MY PAY WENT UP!
BEMIS Waterproof BAGS
Low cost Bemis Waterproof Bags have saved money and increased customer satisfaction for makers of powdered and granular products all over the country. They keep contents *factory-fresh* and save on freight and handling costs. Send for sample.
BEMIS BRO. BAG CO.
400 Poplar St., St. Louis
5102 2nd Ave., Brooklyn
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Crude, Refined, Processed
PAINT and VARNISH OILS
Sales Representatives:
D. H. Litter & Co., Inc. New York, Boston, Philadelphia
White & Co., Akron, Cleveland, O.
Marshall Dill, Los Angeles
Thompson Hayward Chemical Co. Dallas, Kansas City, Mo.
Geo. E. Moser & Son, Inc. Detroit, Mich.
L. H. Butcher Co. Portland, Seattle
CHINAWOOD OIL
PERILLA OIL
LINSEED OIL
SARDINE OIL
SOYABEAN OIL
HEMPSEED OIL
RAPESEED OIL
CASTOR OIL
GUM TURPENTINE
Special Oils to Order
PACIFIC VEGETABLE OIL CORPORATION
Importers, Refiners, Manufacturers
62 TOWNSEND STREET, SAN FRANCISCO, CALIF.
4½ million gal. U.S. Gov't Bonded Tank Storage

PLYMOUTH STEARATES
ALUMINUM - ZINC - CALCIUM
Established Qualities Manufactured for twenty years by
M. W. PARSONS, Imports & PLYMOUTH ORGANIC LABORATORIES, Inc.
55 ANN STREET, NEW YORK CITY

STEARATES
ZINC STEARATE
CALCIUM STEARATE
ALUMINUM STEARATE
MAGNESIUM STEARATE
Stocks at
• NEW YORK
• CHICAGO
• ST. LOUIS
• KANSAS CITY
• DES MOINES
• LOS ANGELES
• SAN FRANCISCO
• NEW ORLEANS
FRANKS CHEMICAL PRODUCTS CO.
BLDG. 9, BUSH TERMINAL — BROOKLYN, N.Y.

MINERS REFINERS IMPORTERS
CLAYS INDUSTRIAL
AIRFLOATED BALL CLAY
English and Domestic plastic Ball Clay airfloated and packed in paper bags. Available in any quantity.
Testing Samples Sent Upon Request
United Clay Mines Corporation
Trenton *Dept. O* New Jersey

CAMELINE CALCITE
Calcium Carbonate
Pure White
Dry Ground 325 Mesh
Used as:
Filler for Rubber, Insulation, Linoleum, Paint, Pigments, Plastics, etc.
HARRY T. CAMPBELL SONS' CO.
Towson, Baltimore, Maryland

ASBESTINE
Reg. U. S. Pat. Off.
FOR PAINT MANUFACTURERS
INTERNATIONAL PULP CO., 41 Park Row, New York

F.T.C. Drug Ad Control Discussed by Horton

—*Continued from page 3*

A. I cannot speak for the policy of the commission. All I can say is that you are welcome to come into the offices of the commission at any time and discuss any problem in which you are interested.

Q. Many of us have some doubt as to exactly how the formula must be given in all advertising. We want to know whether a price list for example where there is merely a price of the goods given will be considered in the same class as a circular describing the merchandise; whether a little blotter just reminding the doctor of the name of the product and its particular application will be considered in the same class as advertising. Would the commission be willing, if we get together some of the different types of advertising and of price lists and of reminders, to give us a ruling as to whether they fall under the class of advertising and must carry the formula or not?

A. I cannot speak for the policy of the commission. I am only giving my personal reaction to the questions you are propounding here. But as I indicated earlier in my talk, you are always privileged to come to the commission and discuss those problems and we will meet you in a thoroughly cooperative spirit.

Bonding of Advertising Agency

Q. The observation has been made that advertising agencies be placed under bond. Is there anything to that proposal?

A. I am afraid you have been hearing something! Of course, there is nothing mentioned in the act about placing an advertising agency under bond to guarantee that, in case you get into trouble, you would be taken care of. The best an advertising agency could do, I presume, if you have them execute a bond, would be to protect and defend you against any action brought by the commission or others under the act. In other words, the expense of defending that would be on them and not on you.

Manufacturer's Responsibility

Q. The mere disclosure in the advertising to the medical profession of the quantitative formula does not relieve the manufacturer of some untoward development that may occur simply because the doctor is supposed to be an informed clientele, as it were?

A. It does not relieve the manufacturer. In other words, you can't place the entire responsibility upon the doctor. You still have an obligation on your part.

Formula Disclosure

Q. I would like to ask whether in an advertisement directed solely to the medical profession, a manufacturer in addition to telling the truth is required to give the quantitative formula.

A. Where there are no claims made which are false and misleading and there is no further obligation on his part to warn the public as to the results which may be expected from the use of a particular product, I express a doubt as to this requirement. This question, however, must be passed upon by the courts, which may require that the quantitative formula be set out in all advertising matter.

Q. Would you regard it as a requirement in the interest of full safety to put the formula in the advertising?

A. Absolutely. I think it should be done in every instance. I would advise that an advertisement to the medical profession should contain a truthful disclosure of the formula, showing quantitatively each ingredient of the drug so advertised.

Q. The publication of the formula means a quantitative statement?

A. Yes.

Stating of Formula

Q. In statnig a formula, which would be the better practice, only to state those items that are therapeutically active, or would you be expected to state all of the constituents of that particular formula?

A. Now you are getting me into an interpretation of the possible requirements of the new food and drug act, aren't you? That is a matter of labeling, primarily, and what provisions are going to be made in the new act with respect to your requirements for labeling, I am not familiar with.

Q. I had in mind the stating of the formula in any advertising literature, whether it would be considered incomplete, or whether stating only the items that are therapeutically active would be sufficient.

A. I would be inclined to believe you would have to set out the complete formula.

Q. Reverting to the question about the completeness of the formula to be stated, are we to understand from that where a tablet, for example, is manufactured and a drop of mineral oil is put in, starch and milk sugar and a little dye, that they are to be included?

A. Well, when you use a quantitative formula, what are you going to set out? You can answer your question just as well as I can.

Cautionary Information

Q. I would like to ask a little bit more about section 15. We don't seem to have clear in our minds what we will be required to do with reference to giving facts about materials and consequences that may arise from the use of our preparations. We believe that is very embracive and that it would go so far as to require us to place a warning on pretty nearly any preparation. I am wondering if it is possible in the future for the commission to give us any guide on preparations that will require such statements.

A. I think that would be extremely difficult for the commission to do. I presume when you put out a drug product, that you don't put it out unless by years of test and clinical experience you are enabled to determine what its therapeutic value may be, what its reaction may be in the use for which it is intended. It strikes me that that knowledge is peculiarly within your own possession, and it is incumbent upon you through your tests and the use of this product prior to placing it on the market to determine what possible ill effects may result from its use for the purpose intended. I think we have had enough experience in the past few years, dating from the days of "Ginger Jake" down to the latest episode, as to the ill effects a drug product may have on the public if a warning is not given as to its possible ill effects.

Q. In developing the thought further about a warning, specifically let us say wiht reference to a biological product, such as a serum, where we know that one in 2,000 is likely to react, the question comes up and has been up for many years—as to whether more harm would be done in making mention of such a warning because it might cause hesitancy in using the serum. There is a nice shade of opinion there.

A. I appreciate that thoroughly.

Q. You have no suggestion you can give us?

A. Not at this time.

Uniformity in Bidding

With reference to another application of the amendments to the Federal Trade Commission act, Mr. Horton, explaining that he had been "asked by a number of gentlemen attending this convention to discuss briefly with them the provisions with respect to uniform bidding, or, as it is commonly referred to today, "collusive bidding," said:—

The commission in the past year and a half has been deluged with applications for complaint by various municipalities, by various individuals, and by numerous competitors, alleging that manufacturers have acted in concert, that they have adopted uniform prices by agreement, with the result that competition has been destroyed and that purchasers no longer receive anything in the way of price competition.

I believe in the light of the existing laws today that I as a purchaser am entitled to competition between and among manufacturers with whom I choose to deal. This competition not only includes competition in price but necessarily includes competition in quality, service, and those other features which go to make up a successful business.

Price-Uniformity Methods

There are three principles which may be considered in discussing this problem. One, of course, is where a group of manufacturers by direct agreement fix a certain price on the product which they are selling and in offering their product to the public name a uniform price or in response to bids, all bid a uniform price. Frankly, today, gentlemen, I doubt that there are many of those specific agreements. At least members of my staff are not going out today with the expectation that, if any of you manufacturers should indulge in this practice, the agreement will be entered in your minutes. Of course, if you do indulge in it and enter it in your minutes, it will make it much easier to handle the matter and save us a lot of time and trouble.

The second method deals with a course of conduct which results in an agreement, and that if the reason I digress, because I want to cite to you a decision of the court which should make my statement clear to you. It is quite evident that in the investigation of these cases where no specific agreement exists, the attorney who is handling the case must start in and develop all facts in relation to any method or practice, or any procedure which has been followed whereby there has been sought and achieved uniformity in price, and if he collects his facts and correlates them, it may be found that you have a continuous movement there which has as its objective uniformity in price, with the consequent destruction of all price competition in the particular commodity.

The third is by the formula method. You may have a method for determination of price. It may have been conceived with the idea that it would be used individually by a manufacturer, but gradually you find that it is adopted as the formula by which all manufacturers in competition with each other will arrive at a certain arbitrary price based on the formula expressed in that book or document. This may constitute an agreement resulting in a direct violation of the law.

Those are among the principal factors to be considered in determining whether there have been activities violative of the law.

Black-Listing

Another feature of those activities is so-called "black-listing," or what is termed "white-listing." In a recent case, there was a requirement on the part of an association of distributors that no person could engage in a particular business unless the manufacturer first submitted the name of this person to an association composed of distributors and that association passed on his right to enter that particular business. I hold that it is still the inalienable right of the individual to engage in a business of his own choosing, and that no association or group has the right to pass upon and determine whether that man has a right to enter a business and engage in competition with the members of any group.

The decision to which I am going to refer you is that of the Eastern States Retail Lumber Dealers' Association, et al, vs. United States. In that case there was a group of retail lumber dealers who were desirous of obtaining complete control of the retail outlets, and in cases where a wholesaler could sell direct to the consumer, they had a practice of white-listing him. In other words, a bulletin would be published showing that the wholesaler had sold direct to the consumer.

In discussion briefly this phase of the law, gentlemen, I do so in the hope that I may again encourage you to take a more decided interest in the activities of the commission. The amended act, of course, gives such added powers to the Federal Trade Commission that I again desire to impress upon you that it is incumbent upon each of you to become thoroughly familiar with its activities, its method of procedure, its objectives, because it may determine to a greater or less extent your opportunity for success in the conduct of your respective businesses.

A.R. Clapham President Of Johnson & Johnson

Robert Wood Johnson, president of Johnson & Johnson, New Brunswick, N. J., has become chairman of the board and is succeeded as president by Arthur R. Clapham. The change was made to enable Mr. Johnson to devote more time to the activities of the affiliated and subsidiary companies, it was stated. He will also continue an active interest in the affairs of the parent company.

A. R. Clapham

Mr. Clapham became vice-president and general sales manager for Johnson & Johnson in 1929. He joined the company in 1920 as comptroller. Previously he had spent five years with Scovell-Wellington & Co., New York, N. Y., a firm of engineers and accountants. Mr. Clapham is a certified public accountant, and an associate of the American Institute of Accountants.

Mr. Clapham, who has been vice-president and general sales manager, is succeeded by Arthur B. Hill, previously vice-president in charge of field sales. Paige D. L'Hommedieu, eastern division manager at Philadelphia, succeeds Mr. Hill as manager of field sales. H. J. Henry, director of the Tek toothbrush division, has been appointed director of merchandising. Mr. Hill joined the company in 1918 as a salesman. Following executive sales positions in the field he was transferred to the home office in New Brunswick in 1933 as manager of salesmen. Mr. L'Hommedieu has been with Johnson & Johnson since 1927 in various sales executive capacities. Mr. Henry joined the company in 1935.

Drug Trade Bowling Crown Won by New York

The New York team won the forty-first annual tournament of the American Wholesale Drug Trade Bowling Association held on the Morris Guards alleys, Atlantic City, May 13 and 14. The competition consisted of teams from Baltimore and Philadelphia, the team from the latter city having been the winner in the several preceding tournaments. The final score showed New York with twenty-four points, Baltimore twenty points and Philadelphia last with four points.

The New York team consisted of John Bomba, of the Mallinckrodt Chemical Works, who rolled the high average of 202 points for thirteen games; Mike Arax, also of the Mallickrodt company, who turned in 195 for thirteen games; Schratz Meir, of Charles Pfizer, who had the best three consecutive game average of 183, 212, 246; A. Dinger, of E. R. Squibb & Sons, Brooklyn; John Postis, of the Church & Dwight Company; Charles Pfeiffer, of Charles Pfizer & Co.; Fred Furey and John Mulholland, both of the Mallickrodt organization.

Officers of the American Wholesale Drug Bowling Association elected for the 1938-39 year were:—R. J. Averell, of Philadelphia; vice-president, William J. Schneider, jr., of New York, and secretary-treasurer, F. A. Leyer.

Weinberger Drug Stores, Inc., has leased four units of retail space in suburban Lakewood, Cleveland. The firm will open its thirty-eight retail outlet September 1. The thirty-seventh unit was opened a week ago in South Euclid, Cleveland.

The MICA PIGMENT flakes
"ARATONE"
—270 for PAINT, PLASTICS
—160 for WALLPAPER, RUBBER
—150 for COATED PAPER
ATLANTIC RESEARCH ASSOCIATES, INC.
Newtonville Massachusetts

mineral pigments
NATURAL AND SYNTHETIC
PURE CHROMIUM OXIDES
are
STRONG - INERT - PERMANENT
C. K. WILLIAMS & COMPANY
EASTON·PENNSYLVANIA

Oils, Fats, and Waxes

Sales of Tallow at a Decline—Chinawood and Perilla Oils Lower —Narrow Changes in Cottonseed Oil—Linseed Oil Weaker —Copra and Coconut Oil Shaded—Trade Slow

Quotations on miscellaneous oils, fats and greases still had a downward trend last week, supplies of various commodities being available at further concessions. Trade was slow, buying interest generally being limited to small lots with the aggregate movement of such quantities for the week unimportant. According to a report issued by the Bureau of Agricultural Economics last week, sharply curtailed consumption of drying oils from the high point in early 1937 has brought stocks of linseed oils, tung oil and perilla oil to a record high. Estimated consumption of all oils in the drying industries in the past calendar year was 7 percent larger than in 1936. More than the usual seasonal decrease in consumption occurred, however, during the last half of 1937. And estimated consumption in the first quarter of this year was approximately a third less than in the first three months of 1937. Combined stocks of the three major drying oils —linseed oil, tung oil, and perilla oil— totaled more than 298 million pounds at the end of March, 1938. A year earlier stocks of these oils amounted to 183 million pounds, the Bureau said. Imports of drying oils during the first quarter of 1938 showed a decided downward trend except in the case of perilla oil, imports of which increased slightly over those of a year ago.

Chinawood oil was still in downward trend here and on the Pacific coast, competition among sellers being keener. Oiticica oil was easier in company with chinawood. Offerings of perilla and Niger palm oils were noted at concessions. Copra was easier and crude coconut oil was reduced. Tallow was easier, sales being reported at a decline. Grease prices weakened in company with tallow. Cash lard was irregular with futures in Chicago, changes generally being moderate. Lard stocks decreased 2,633,000 pounds during the first half of May, but supplies there were 58,000,000 pounds larger than a year ago. Refined fish oils were steady at the recent decline.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Linseed cake, $1.50 per ton.
Linseed meal, 50c. per ton.

Reduced

Babassu oil, ⅛c. per lb.
Chinawood oil, ¼c. per lb.
Coconut oil, crude, ⅛c. per lb.
Copra, 1-10c. per lb.
Cottonseed oil, Brazilian, ¼c. per lb.
Grease, ⅛c. per lb.
Lard, 10c. to 25c. per 100 lbs.
Linseed oil, 1-10c. per lb.
Linseed oil fatty acid, 1-10c. per lb.
Oiticica oil, ¼c. per lb.
Olive oil, denatured, 2c. per gal.
Olive oil foots, ¼c. per lb.
Palm oil, Niger, ¼c. per lb.
Peanut oil, crude, ⅛c. per lb.
Perilla oil, ¼c. per lb.
Rapeseed oil, 1c. per gal.
Sardine oil, crude, 2c. per gal.
Stearin, ¼c. per lb.
Tallow, ⅛c. per lb.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
108.2	110.4	112.6	143.8

Market news that may have developed after this report was sent to press will be found on page 4.

Vegetable Oils

Chinawood.—Domestic markets remained in an easy position. Consumers in many cases were still disposed to hold aloof, especially as the trend of various other commodities was still downward. The absence of any change for the better in reports concerning the condition of American business in general also had a tendency to make buyers cautious although it is contended that consumption of chinawood oil has increased to some extent recently. Competition among sellers was keener, however, and further shading of quotations was noted. Late in the week 10c. to 10.2c. per pound was rather generally quoted for spot oil in tankcars.

SAN FRANCISCO, May 17.—Chinawood oil weaker. Quoted at 10½c. per pound in tankcars, f.o.b. Pacific Coast ports, with the oil evidently available on bids at 10⅜c. Sales were noted earlier in the period at 10.8c.

Coconut.—The local market for crude oil had an easier tone, quotations being shaded ⅛c. per pound. Copra was easier and less was heard about scarcity of that commodity although offerings did not appear to be heavy. The markets here and on the Coast were reported as quiet. Consumption was said to be on a fair scale but few new inquiries were received. Refined oil was quiet and steady.

SAN FRANCISCO, May 17.—Coconut oil is quoted today on the basis of 3c. to 3⅛c. per pound in tankcars, f.o.b. Pacific Coast ports and/or mills, for delivery in nearby and forward positions. Copra was quiet. Sellers were not inclined to press supplies upon the market, while there was no particular demand from crushers whose sales of coconut oil recently have been light.

Corn.—A steady tone prevailed in the market for crude oil although there was little to record in the way of activity. The downward trend of other commodities made consumers inclined to hold off but offerings continued light.

Cottonseed. — Brazilian semi-refined oil was easier, offerings being reported at 4.40c. per pound here and at 4.20c. per pound on the Coast, c.i.f. basis. Domestic edible oil was in fair demand and the market retained a steady tone, quotations being held at previous levels by refiners.

Oiticica.—A further decline in chinawood oil imparted an easier tone to the market for oiticica oil, quotations being shaded ¼c. per pound. Offerings remained light.

Palm.—Niger oil was easier, quotations being lowered 1¼c. per pound. There was a fair inquiry for comparatively small quantities. Offerings from abroad were light.

Peanut.—Crude oil was slightly easier in some sections but with offerings limited, quotations appeared to be largely nominal.

Trading in shelled peanut futures on the New York Produce Exchange from May 14 to May 20, inclusive, comprised 3 contracts, a total of 180,000 pounds. Following is a price record of the week:—

	Cents per pound		
	High.	Low.	Close.
May	5.45	5.45	5.45@5.75
June	5.60	5.60	5.45@5.65
December	5.70	5.70	5.42@5.65

Perilla.—The market had an easier tone, offerings being somewhat freer owing to the downward drift of other commodities. Demand continued slow. Quotations were shaded ¼c.

Rapeseed. — Quotations covered an unsually wide range, the figures being more or less nominal owing to uncertainty concerning the new tax measure which imposes a duty on this oil when used in some consuming fields and permits tax-free importations for use in other outlets.

Markets at Other Centers

San Francisco, May 17.—Vegetable oils were generally quiet, consumers being inclined to hold off.

COTTONSEED. — Japanese semi-refined oil quoted at 7.65c. per pound in tankcars, duty paid, f.o.b. San Francisco for early shipment out of the Orient.

PERILLA.—Crude oil quoted at 9½c. per pound in tankcars, for prompt or deferred shipment, f.o.b. Pacific Coast ports.

RAPESEED.—Quiet. Refined and denatured oil quoted on the basis of 6c. per pound, tankcars, f.o.b. Pacific Coast ports for entry to the United States after July 1.

TEASEED.—Quoted at 6½c. per pound in tankcars, f.o.b. Pacific Coast ports, June/August shipment from the Orient.

Chicago, May 20.—The general vegetable oil market aspect is a spotty and irregular one. Interest in coconut oil is reported fairly good. Trade is quite good in some cases, with prices unchanged to a shade improved. Chinawood has been showing the single exception to firmness, with prices off considerably. Peanut is holding its own quite well, or even slightly better than that.

COCONUT.—Coast basis, in tanks, May-forward, 3⅛c. to 3¼c. per pound. Refined,

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

• OILS •
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PERILLA OIL
SARDINE OIL
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L. N. JACKSON & CO., Inc.
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"The Most Suitable Acid for Any Purpose"
WOBURN DEGREASING COMPANY OF N. J.
Chemical Division
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edible oil, 9¼c. to 9½c. per pound, barrels, car lots; and 9¾c. to 10c., barrels, less than car lots.

CORN.—Crude, low acid, 7c. to 7⅛c. per pound, partly nominal. Refined, edible oil, 9½c. to 10c. per pound, car lots; and 10c. to 10¼c., barrels, less than car lots.

PEANUT.—Crude, 7c. to 7⅛c. per pound.

SOYBEAN.—Crude, mills, 5½c. to 5¾c. per pound.

The market for soybeans on the Chicago Board of Trade was more active. Demand from cash interests showed some increase as a result of the recent decline. Commission houses were also more prominent in the operations at times. Offerings of cash beans were comparatively light. Futures showed irregularity in company with cereals, changes in prices generally being moderate. Following is a price record, per bushel, for the week:—

	High.	Low.	Closing May 20.	Closing May 13.
Cash, No. 3..	$0.90½	$0.90¼	$0.90¾	$0.90
May	.90¼	.89⅜	.90	.90
July	.92	.91	.91	.91⅝
October	.86¼	.85½	.85½	.86

London, May 7.—Soybean oil, crude, 23s. 3d. per cwt.; rapeseed, crude, 32s. 6d.; palm kernel, refined, English, 26s.; peanut, Bombay, 21s. 9d.; sardine, Japanese, 16s. 6d.; whale, crude, Rotterdam, 15s.

Linseed Oil

Domestic flaxseed markets were quiet with prices irregular. Changes in quotations at Buenos Aires were moderate. Linseed oil lower. Cake and meal higher.

Flaxseed—DULUTH, May 20.—The only figures to decorate the record sheets in this flax market for some time are on this week ond show small jags of the seed being shipped. The seed involved was sent to Minneapolis, taken by crushers. There are no traders in the market for it, and only crushers are concerned, and not very much at that. But 12,000 bushels of flaxseed remains in the elevators here, and will likely soon be sent to Minneapolis.

As to seeding, all reports seem to agree that it is being concentrated more and more on land that has produced the best in the past and little if any new land will be used.

The week's closing range was as follows:—

	Cash.	May.	July.
Saturday	$1.85	$1.85	$1.85
Monday	1.83	1.83	1.83
Tuesday	1.83	1.83	1.83
Wednesday	1.83	1.83	1.83
Thursday	1.84	1.81	1.81
Friday	1.84	1.81	1.81

Crop movement in bushels follows:—

	Receipts 1938.	Receipts 1937.	Shipments 1938.	Shipments 1937.
This week..	....	....	....	11,636
Since Aug. 1...	930,485	952,597	1,141,374	938,600

MINNEAPOLIS, May 20.—Flaxseed receipts of the week ending today were quite liberal compared with normal but most of the cars were clean-up cars containing light loads. The movement came from wide territory and quality variation was very noticeable. Demand was indifferent most of the time, although there was some improvement in competition for the choice type. Crushers have been buying some of the good seed for current pressing. The rest of it has been going to storage against hedges and elevator companies have been chief buyers.

Virtually all of the seed tendered on contracts to date has graded No. 2 but today 11,000 bushels of the No. 1 grade were delivered. So far none of the delivered seed has been ordered out of storage. A cash house sold 100,000 bushels of good flax within the week, some to local crushers and some to crushers out of town. Shipments have been liberal but not heavy enough to offset receipts.

Seeding news of the past week proved less favorable. Lack of good seed flax in sections showing a tendency to sow same has been a factor and in the Red River Valley there has been quite a change from flax to barley cultivation because of the comparative success financially in eventual returns. The grasshopper threat is above normal this year and this is having some effect on farmers sowing operations.

No. 1 seed on spot is quoted at May price to 5c. over.

The week's closing range was as follows:—

	Cash.	May.	July.
Saturday	$1.94	$1.89	$1.89
Monday	1.92	1.87	1.87½
Tuesday	1.91	1.86	1.87
Wednesday	1.89	1.86	1.86
Thursday	1.85½	1.84½	1.83¾
Friday	1.83½	1.80	1.80½

Crop movement in bushels as follows:—

	Receipts 1938.	Receipts 1937.	Shipments 1938.	Shipments 1937.
This week..	48,540	198,000	20,690	11,000
Since Sept. 1...	3,563,630	3,422,410	814,650	330,470

WINNIPEG, May 20.—The flaxseed market was quiet. Prices were irregular with grain. The week's closing range was as follows:—

	Cash.	May.	July.
Saturday	$1.54½	$1.54½	$1.54
Monday	1.53½	1.53	1.53
Tuesday	1.51½	1.52	1.52
Wednesday	1.52	1.52	1.52
Thursday	1.51¾	1.51¾	1.52
Friday	1.47½	1.47½	1.47

BUENOS AIRES, May 20.—Opening prices per bushel on May contracts were:—

	Last week.	Last year.
Saturday	$1.23⅝	$1.33¼
Monday	1.22½	1.33¼
Tuesday	1.21½	1.33⅛
Wednesday	1.21	1.33½
Thursday	*1.21½	1.30¾
Friday	*1.21½	1.30¾

* June.

Exports

To—	Last week.	Previous week.	Last year.
United States.....	118,000	394,000	260,000
United Kingdom..	4,000	4,000	.....
Continent	539,000	929,000	169,000
Orders	28,000	.....	106,000
Others	.....	.....	.....
Totals	689,000	1,327,000	535,000

Since January 1

To—	This year.	Last year.
United States.....	5,491,000	15,059,000
United Kingdom.....	1,058,000	472,000
Continent	11,345,000	9,650,000
Orders	5,441,000	10,979,000
Others	860,000	2,383,000
Totals	24,195,000	38,543,000

Visible Supply

	Bushels.
Last week.....	6,299,000
Previous week.....	6,299,000
Last year.....	6,693,000

INDIA.—Exports of flaxseed from India last week were as follows:—

To—	Last week.	Previous week.	Last year.
United Kingdom..	280,000	312,000	188,000
Continent	28,000	16,000	.....
Others	.....	.....	.....
Totals	308,000	328,000	188,000

Since April 1—	This year.	Last year.
United Kingdom.....	1,840,000	756,000
Continent	84,000	48,000
Others	52,000	52,000
Totals	1,976,000	856,000

HULL, May 20.—Quotations on flaxseed were:—

	La Plata.	Bombay.
Saturday	£11⅜	£13¼
Monday	11¾	13⅛
Tuesday	11⅝	13
Wednesday	11⅝	13
Thursday	11⅜	13⅛
Friday	11⅜	13⅛

Linseed Oil.—The local market was weaker, selling schedules being reduced to 8.6c. to 8.7c. per pound in tankcars, according to crusher. So far as new business was concerned there was little change in conditions, buyers in many cases still being inclined to hold off for further developments in business and political affairs in general. The fact that the trend of many other oils and fats was still downward also had a tendency to make buyers of linseed oil cautious.

Withdrawals on unfilled contracts showed an expansion and according to some the improvement in the situation in this respect would have been more noticeable than it was but for the fact that rainy weather prevailed in many parts of the country.

Receipts of flaxseed in the Northwest showed some increase and there was a narrowing of the cash premium over futures as demand from crushers and cash interests was rather slow. The call for seed for planting purposes also diminished and according to some reports the indications now point to a considerably smaller acreage this season that was indicated a few weeks ago.

Receipts of flaxseed at New York last week were 84,600 bushels.

MINNEAPOLIS, May 20.—The linseed oil market slowed down some during the past week, chiefly because of unfavorable weather conditions. Rain has been falling with more or less regularity all over territory served by local crushers and there has been little chance to do exterior paint work. As a result business for quick shipment showed a downward trend. Unsatisfactory economic conditions continued to militate against demand for deferred shipment. There was a little inquiry but no business worth mentioning.

Big manufacturers engaged some oil for shipment up to the end of June and evidently found that they had purchased enough to cover requirements. Shipping instructions are fewer than they have been owing to weather interference with Spring paint work and mills are operating chiefly for the meal needed to cover sales made for shipment this month and next. Operations range around 20 percent of capacity.

Quotations car load lots, f.o.b. Minneapolis, tankcar lots, 8.8c. per pound; cooperage car lots, 9.4c. per pound, and warehouse lots, 9.8c. per pound.

Shipments of oil in pounds were as follows:—

	1938.	1937.
This week.....	1,683,142	1,944,072
Since Sept. 1.....	44,400,807	51,895,592

SAN FRANCISCO, May 17.—The linseed oil market continues a hand-to-mouth affair. Quotations were reduced by one point a few days ago. Quoted:—Tankcars, 8.9c. per pound; drum car lots, ex mill, 9.5c.; drum lots, ex warehouse, 9.9c.

CHICAGO, May 20.—Linseed oil is in a drifting position here, with prices around the lowest levels reached in a long period and with trade not very active. Ruling prices are:—Tankcar, 8.8c. per pound; car lots, 9.4c.; less than car lots, 9.8c.

LONDON, May 20.—Quotations on linseed oil were:—

	Per cwt. s.	d.
Saturday	23	7½
Monday	23	7½
Tuesday	23	7½
Wednesday	23	6
Thursday	23	7½
Friday	23	7½

Cake and Meal.—The market was firmer, cake being advanced $1.50 and meal 50 cents per ton. There was an increase in demand for domestic and export account. Supplies were very

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

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light late in the week and prices appeared to be more or less nominal.

MINNEAPOLIS, May 20.—Demand for meal is greater than supply and the market continues to show a tight tone. Crushers mostly are sold ahead for the next 45 days and have nothing fresh to offer for shipment before July 1. Shipping instructions remain better than good. Buyers offer them long before contracts mature in order to get as prompt delivery as possible. Most of the mills are behind their instructions and there is not a pound of meal in reserve to fall back on, something unusual for this time of year.

Quotations on car load lots, f.o.b. Minneapolis, 100-pound sacks, $45 to $45.50 per ton.

Shipments of meal in pounds were as follows:—

	1938.	1937.
This week	971,625	2,079,514
Since Sept. 1	106,698,981	84,706,199

CHICAGO, May 20.—The linseed meal market continues strong, with a keen demand reported for all material made available. Ruling prices are:—Round lots, $43 per ton, largely nominal; car lots, $43.50 to $44; less than car lots, $45.50 to $46.

Cottonseed Oil

Refined cottonseed oil futures in the local market were quiet and prices moved within narrow limits. Southern markets were generally steady.

Cottonseed Oil.—The market here for refined cottonseed oil futures was a small and rather featureless affair last week. Prices were irregular, the changes being narrow and devoid of any particular significance. There was a certain amount of buying attributed to refiners and other trade interests. On the other hand liquidation was noted at times for account of local and other longs who were tired over the failure of the market to move decisively. Developments in outside markets were of a rather bearish character on the whole, including weakness in securities and a downward trend in various commodities. Much of the business and political news of the week was regarded as unfavorable.

But for one reason or another there was little disposition among cottonseed oil traders to offer freely. On the contrary offerings were noticeably light much of the time, although sentiment in some quarters appeared to be more bearish than recently. It was contended by some that everything of a bearish character in the situation was largely discounted in the price. Yet if there was no pressure to sell, neither was there any disposition to take the aggressive on the buying side. In such circumstances the market, as already intimated, was largely a waiting affair.

Offerings of crude oil were reported as light in all sections and the prevailing tone in the South was steady. Miscellaneous oils, fats and greases in the local market had a downward trend, various products being available at further concessions. Copra weakened and coconut oil was reduced slightly by producers. Sales of tallow were reported at 4⅞c., the lowest figure current for a considerable period. There was a fair export movement of lard, but new business in that commodity was reported as quieter. Exports of lard from Atlantic and Gulf ports from November 1 last to May 14 this year were 90,196,025 pounds, an increase of 32,807,622 pounds as compared with the same time last season.

Marketing of hogs was moderate, although the movement was larger than a year ago. Receipts in the principal western centers for four days of the week aggregated 163,900 head against 126,000 head in the same time last year. The weight of the hogs received in Chicago during the week ended May 15 averaged 250 pounds against 255 pounds in the previous week. Stocks of lard in Chicago increased 2,633,146 pounds during the first half of May against an increase of only 95,600 pounds in the same time last year. Stocks there, however, are about 58,000,000 pounds smaller than a year ago. A late summer rise in hog prices is likely to be witnessed according to the Bureau of Agricultural Economics, but the advance, it is stated, will be limited by the weak consumer demand for meats. Any weakness that may develop in hog prices before late summer is expected by the Bureau to be only moderate.

Reports from the South concerning the progress of the cotton crop appeared to be more favorable than recently on the whole though there were numerous drawbacks in the situation, especially in the matter of temperatures which were generally below normal.

The senate bill (S. 3882) to require all cotton ginners to keep a record of the county or parish in which each bale of cotton ginned by them is grown has been favorably reported to the house, following a vote of the house census committee May 18.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from May 14 to May 20, inclusive, comprised 337 contracts, a total of 22,220,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
January	7.97	7.76	7.79@7.80
May	8.44	8.36	.....
July	8.24	8.06	8.13@8.16
September	8.10	7.92	7.95@7.96
October	7.99	7.81	7.86@7.87
December	7.94	7.75	7.79 sale

Crude, Southeast, .0675c.

Chicago, May 20.—The quoted values in the cottonseed oil market have been holding their own without much difficulty, and in some cases the market seems to be working a little higher. There are ready buyers for fair-sized amounts of material. Good, off-Summer yellow fig oil is 8½c. per pound. Refined, edible oil is 9¾c. to 10c. per pound, barrels, car lots; and 10c. to 10¼c., barrels, less than car lots.

Hull, May 20.—Quotations on cottonseed oil were:—

	Refined. Per cwt. s.	d.	Egyptian crude. Per cwt. s.	d.
Saturday	20	6	17	6
Monday	20	6	17	6
Tuesday	20	6	17	6
Wednesday	20	6	17	6
Thursday	20	6	17	6
Friday	20	6	17	6

Cake and Meal.—Southern markets were generally steady. Trade was quiet so far as new business was concerned but a fair movement was reported on contracts. Offerings remained light.

Markets at Other Centers

Atlanta, May 18.—Cottonseed oil and meal are reported steady without changes in quotations. Drouth in the lower Southeast has retarded the crop. Planting is progressing in the Piedmont region under favorable conditions. A warning has been sounded by State Entomologist Mannings Yoeman of Georgia of a serious boll weevil threat. Prime crude oil is quoted at 7c. per pound.

Meal of seven percent grade is quoted at $23 to $23.50 per ton at interior mill points. The market is quoted quiet.

Memphis, May 20.—Crude cottonseed oil quiet and steady. Last business reported was at 6¾c. per pound, Valley basis. Mills are in a comfortable position and are awaiting further developments, expecting seven cents or higher. Cake and meal firm with a good export demand. Lack of steamer space is restricting further trading. Prime 41 percent meal, $41 per ton, Memphis basis. Valley cake, $18.50 to $19 per ton. Cool nights in this section are retarding seed germination, and cotton crop is backward.

Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	May 13.	May 20.
May	$21.00@21.25	$20.50@21.25
July	21.50@21.75	21.25@21.50
August	21.85@22.10	21.75@22.00
September	22.25@—	22.25@22.50
October	22.75@—	22.40@22.75

Fatty Acids

Capric Acid.—No broadening of buying interest was noted last week, developments in the markets for other commodities as well as the absence of any change for the better in reports concerning the trend of general business in this country, making consumers disposed to adhere to a very conservative course in purchasing operations. Prices were stationary and sellers appeared to be steady in their views as to values.

Coconut Oil.—A steady tone continued to prevail in the market for this fatty acid. No improvement in business was noticeable, consumers being disposed to limit their takings to comparatively small or moderate quantities in the absence of any expansion in demand for their products. Quotations were generally maintained at former levels.

Cottonseed Oil.—Prices for basic material remained close to where they stood in recent preceding weeks and quotations on cottonseed oil fatty acid were held at former levels. The market was quiet so far as new business was concerned but there was a fair movement to makers of synthetic resins and soap bases on contracts previously placed.

Perilla Oil.—Quotations were unchanged but the tone of this fatty acid appeared to be easier as in company with basic material, the trend of the latter still being downward last week. Interest on the part of consumers was limited but supplies available for prompt shipment appeared to be comparatively small as production has been on a curtailed scale in recent weeks.

Soybean Oil.—Quieter conditions prevailed so far as new business was concerned, the recent reduction in prices for basic material making consumers inclined to hold off or curtail purchases. There was a fair movement to makers of synthetic resins on unfilled contracts however, and in the absence of any accumulation of supplies in the hands of sellers quotations were maintained.

Stearic Acid.—A further decline occurred in basic material but this found no reflection in quotations on stearic acid, selling schedules being maintained at former levels by makers. There was a fair movement to local and other makers of soaps and candles on contracts and transient orders.

Markets at Other Centers

Chicago, May 20.—A fair degree of stability and firmness in the basic materials is causing a continued steady tone in fatty acids and related products in this market. Buying is not very active, purchasers preferring to take their time and not rush orders in for large quantities of material.

FATTY ACIDS.—Corn oil, double distilled, 7½c. to 8c. per pound, tankcar; 8c. to 8½c., barrels, car lots; 8½c. to 9c., barrels, less than car lots; coconut oil, acidulated, 8¼c. to 8½c. per pound, tankcar, mostly nominal; 8¾c. to 9c., barrels, car lots; 9¼c. to 9½c., barrels, less than car lots; cottonseed oil, double distilled, 7¼c. to 7¾c. per pound, tankcar; 7¾c. to 8¼c., barrels, car lots; 8¼c. to 8¾c., barrels, less than car lots; settled cottonseed soap stock, 60-62 percent basis, 2¾c. to 3c.; boiled down soap stock, 65 percent basis, 3¾c. to 4c.; cottonseed foots, 50 percent basis, 1¼c. to 1½c.

STEARIC ACID.—Distilled, single press, 10½c. to 11½c. per pound; double press, 11c. to 12c.; triple press, 13¾c. to 14¾c.; saponified, ¼c. higher.

Fish Oils

Menhaden.—Fresh developments in the way of price changes in refined oil were lacking, the market being steady at the reduction in selling schedules announced in the previous week. The recent cut in prices was apparently without any effect of consequence upon the attitude of consumers, many of whom were still disposed to hold off or limit their takings to small lots to fill current needs. Crude remained nominal.

Sardine.—Refined oil was quiet but the tone of the market appeared to be steady, recently reduced selling schedules remaining in effect. Such transactions as were noted were limited to small quantities to fill the current needs of consumers. Crude was easier on the Pacific Coast, sales being reported at 36 cents.

Whale.—Local refined oil prices were stationary and the tone of the market appeared to be steady. There was a fair movement of moderate quantities to local and other consumers.

LONDON, May 7.—Supplies of No. 1 Crude on spot in Rotterdam were firmly held, and the recently increased price was maintained. On c.i.f. terms no further trades were reported, the value remaining in the region of £13.10/. Another arrival of 11,800 tons was reported at Thameshaven a few days ago in Tafelburg from Antartic.

Markets at Other Centers

San Francisco, May 17.—Several tankcars of both crude and refined sardine oil sold last week in the Los Angeles market out of spot stocks at prices which showed that the market has turned easier. The sales were evidently the first in several weeks, according to information received here, and quite expectedly the oil moved through resale channels. Prices named were 36c. per gallon for crude and 39c. for refined oil. The material was said to have been released by hydrogenators to the paint trade, the former being able to pick up tallow for replacement at favorable figures. No oil is in sight in producers' hands, this having all moved out on contract by the end of the last season.

With the Alaska herring season legally open after June 1, there is not the slightest possibility that the industry will become operative on that date, according to word received here last week from Seattle. Evidently nothing much has been accomplished in the way of a settlement with either the fishing fleet operators or the factory workers, who are holding out for higher wage scales. Labor is a very serious problem to the industry all up and down the Coast. No settlements have been made anywhere as yet for next season's work.

The California Fish & Game Commission views the reduction industry, particularly in this state, in a very poor light for the immediate years to come. The Commission is of the opinion that the sardines have been "fished out" and this was partly substantiated by the returns of last season. This factor, together with rising labor costs might well put sardine oil back into the by-product commodity class, the production of which might be governed by the size of the offal from the edible pack, in

—*Continued on page 56*

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Saponification Value 170-185
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Sterols ..... 6-10%, Average about 8%

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Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

VOL 133 NO 21 MAY 23 1938 XUM

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Drugs, Fine Chemicals

Quicksilver Sharply Higher—Hard Mercurials Rise—Tartaric Acid, Cream of Tartar, Seidlitz Mixture and Rochelle Salt Up—Coumarin and Vanillin Off

Price activity swept the drug and fine chemical market shortly after last midweek. Higher quotations were established on tartaric acid, cream of tartar, seidlitz mixture, rochelle salt, aloin and quicksilver.

All tartar products had been showing consistent strength for a long time and the advance in prices last week merely extended a clearly defined movement prevalent over several weeks. Demand was expected to be increased by the rise in values.

The advance in quicksilver prices started with the foreign suppliers and caught the spot market low of supplies. Also, the heavy buying recently on the Pacific Coast had engaged production well ahead, the business being done on the basis of June, July, August shipments. The advance also reduced the London price premium over New York to $5; it had been $12. An advance in hard mercurials followed.

The balance of the market showed a fair degree of firmness even though sales activities were not overly satisfactory. Higher prices on aloin reflected the advanced cost of production. Glycerin appeared to be steadier. Alcohol moved in routine fashion at maintained quotations. Coumarin and vanillin were reduced.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Acid, tartaric, 1c. per lb.
Aloin, 15c. per lb.
Calomel, 10c. per lb.
Corn syrup, 5c. per 100 lbs.
Corrosive sublimate, 8c. per lb.
Cream of tartar, 1c. per lb.
Mercury oxide, yellow, 9c. per lb.
red, 9c. per lb.
Quicksilver, $11 per flask.
Rohelle salt, ¾c. per lb.
Seidlitz mixture, ½c. per lb.
White precipitate, 8c. per lb.

Reduced

Coumarin, 25c. per lb.
Vanillin, 25c. per lb.

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
181.4	180.6	180.6	181.5

Market news that may have developed after this report was sent to press will be found on page 4.

Acid, Citric.—A quiet but very steady market was noted. Car lot prices were 23c. per pound; 10,000 pound lots, 23½c.; smaller quantities, 24c. These are the lowest prices ever to prevail for the item.

Acid, Tartartic.—Prices were advanced 1c. per pound on May 19, making the market 26¼c. per pound on 10,000 pounds, one delivery; smaller quantities, 26¾c.; kegs, 27¼c. This continued the rising market notable for strength over the past several weeks and was related to the position of raw material.

Agar.—Although no lower, prices on this article were still easy and competition was still prevalent to a considerable extent. However, the margin between spot and replacement prices has become narrow enough to act as a check to further reductions.

Alcohol.—A steady to firm market ruled in local circles. Business was that typical of the slower season of the year, possibly being influenced by the recession in general activity in numerous consuming industries. Prices were low and unchanged, yielding little more than a nominal profit to the producers and at this time showing signs of probable stability over the next several weeks.

Aloin.—The position was fully firm at an advance to $2.25 per pound. Undertones were strong and in view of the probability that raw material costs will be little if any lower this year, aloin showed strength that ultimately may produce still higher quotations, it was said.

Bismuth Metal and Salts.—Salts still held unchanged and from information in hand last week a considerable change in the competitive characteristic of the market must take place before quotations can reflect the fact that the makers are now paying 5c. more per pound for raw material. Demand shifted very little.

Castor Oil.—Demand was conventional and confined to the more pressing requirements of a not large number of buyers. Quotations seemed to be generally steady in a market of quiet but sustained undertones.

CHICAGO, May 18.—Buying has been in fairly substantial style in the castor oil market. Buyers are taking fair-sized amounts. Contracts are being taken out well. Tone in general is considered good. Ruling prices are: No. 1, barrels, car lots, 10⅛c. per pound; less than car lots, 10⅞c.; returnable drums, car lots, 9⅞c.; less than car lots, 10⅝c.; tanks, 9⅞c.; No. 3, barrels, car lots, 9⅝c.; less than car lots, 10⅜c.; returnable drums, car lots, 9⅜c.; less than car lots, 10⅛c.; tanks, 8⅞c.

Corn Syrup.—Strengthening of the market led to a 5c. per 100 pounds advance in quotations named on this material. The price of 42 degree syrup was set at $3.14 per 100 pounds; 43 degree syrup, $3.19.

Coumarin.—One prominent maker reduced quotations 25c. per pound, making the base price $2.50 per pound as the result of severe competition. Another prominent producer failed to report a decline in his schedule, though admitting that their prices were being shaded.

Ephedrine.—A degree of stability has come to the prices on this material, but quotations were still far higher than they were prior to the Japanese-Chinese war shutting off normal shipments of raw material from China. India is now supplying substantial quantities of ephedra, but as the yield is low, production costs are higher than when the China herb was used solely.

Epsom Salt.—Steady prices prevailed. A fair demand was noted, although volume was something less than the normal movement into consumption. Undertones were firm.

Ether.—Most varieties of this article experienced a call sufficient to hold values stabilized and free from unsettling influences. Buyers bought often, rather than covering requirements of the more distant future through largeway transactions.

Glycerin.—The position of crude material was generally firm. Recent unsettlement of values has been succeeded by a strengthening of market undertones and a lessening of price shading tendencies even when refiners were in the market for substantial quantities. Refiners also reported a firm position for the market, admitting that demand was moderate most of the time.

CHICAGO, May 18.—With glycerin holding steady, there has been little feature in the market. Orders are reported coming in quite well. The market for this grade and other grades seems quite firm. Ruling prices are: C.p., drums, 15½c. per pound; less than car lots, 16c.; cans, 17½c. to 19½c., according to quantity; dynamite, 15½c.

Hydrogen Peroxide.—Price stability has been the feature of this item for a long time past and indications pointed to a continuation of that satisfactory condition. Demand has suffered some from the general recession in business activity but even at that volume has held up very well.

Iodine and Iodines.—Ample stocks of crude iodine were in store and available at low and well stabilized prices. Iodides were the object of not more than the usual competition and hence prices were still on the low side. Business was entirely routine.

Menthol.—Demand was narrow for the most part and were it not for the fact that prices in Japan have been well maintained, local quotations would probably have shifted ere this. Substantial unsold stocks were on the spot and the larger holders were inclined to stand pat at current prices awaiting a

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

Industrial and Pharmaceutical Chemicals

ALKALOIDS:
ARECOLINE
ATROPINE
EMETINE
EPHEDRINE
PILOCARPINE
SCOPOLAMINE
THEOPHYLLINE

SPECIALTIES:
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Bromides
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Mercurials.—An advance of $14 per pound in quicksilver prices caused a sharp rise in quotations on mercurials. Calomel became $1.28 per pound; corrosive sublimate, crystals, $1.13; granular, or powder, 99c.; mercury oxide, red, technical, $1.26 N. F., $1.51; yellow technical, $1.21; USP, $1.73; white precipitate, $1.46.

Methanol.—Prices on denaturing grade were reduced to 25c. per gallon in tanks. Reports of price shading had been current for some time and definite confirmation was obtained last week. Hence the open reduction made late last week.

Methyl Acetone.—Keen competition for some time past had led to reports of price shading. Following confirmation last week, the open market quotations were reduced to 25c. per gallon.

Quicksilver.—Reports from agents of the foreign suppliers declared that quotations had been raised to $64 per flask, c.i.f. or warehouse. This would mean a minimum replacement of $83.50 per flask on foreign metal quoted on a duty-paid basis. In London, an advance of 28 shillings set that market on the basis of $69 per flask in bond. Very little domestic metal was available and at a late hour in the week the market was at least as high as $82 to $83.50 per flask, nominal, with very little being offered.

SAN FRANCISCO, May 19.—Following an advance of $14 per flask in the c.i.f. price for quicksilver in New York, the local market became frozen, all sellers having withdrawn pending further developments. Stocks here were exhausted and suppliers refused to consider making of future commitments at this time. Inquiries from New York City were quite heavy. However, despite the general situation, the market was not very excited. Buying by a local bank during the past several weeks took up probably 2,500 flasks of domestic metal, removing spot stocks and placing June, July and August production under contract. The buying was reported to have been for various foreign purchasers. Japan and England being prominently mentioned in this connection. Prior to the advance noted above, reports in local circles intimated that the bank recently acting as buying agent for some foreign purchaser had again asked for quotations and also for information regarding available quantities. The metal already bought is being held in storage here, some being in the bank's vaults.

Quinine.—Steady prices and fair demand paralleled market conditions which, on the whole, were evidence of a quiet but generally stable situation.

Rochelle Salt.—Prices were advanced and the new values were as follows: 5,000 pounds, one delivery, 17¾c. per pound; smaller lots, 18¼c.; powder, 5,000 pounds, one delivery, 16¾c.; smaller lots, 17¼c. This reflected a rise in cost of production.

Seidlitz Mixture.—Production cost has risen and higher prices on the derived material were set up last week. In quantities of 5,000 pounds, one delivery, the market became 13⅞c. per pound in barrels; smaller lots, 14¾c.; kegs, 14¾c. for 5,000 pound lots, and 14⅝c. for smaller quantities.

Silver Nitrate.—The schedule of prices since the last report prevailed as follows, covering quantities of 500 ounces, small lots from 1c. to 2c. more per ounce, and quantities of 500 ounces are

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Drugs, Spices, Essential Oils, Flavoring Extracts, Foods, Beverages.
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quoted at about 1c. less. Comparison of prices of bullion in New York and London is also provided.

	Per ounce		
	Nitrate, Cents.	Bullion New York, Cents.	Bullion London, Pence.
Saturday	31½	42⅜	18⅜
Monday	31½	42⅜	18⅜
Tuesday	31½	42⅜	18⅜
Wednesday	31½	42⅜	18⅜
Thursday	31½	42⅜	18⅜
Friday	31½	42⅜	18⅜

Soda Benzoate.—Canners should be consuming the article liberally in the not far distant future and those who have not covered their season requirements will find the market fully steady and well maintained as to price.

Soda Citrate.—Well stabilized prices prevailed locally and a firm market was in line with the position of raw material. Demand was routine, but even with the recent volume of transactions.

Sulfanilamide.—A reasonable degree of price stability was reported following the recent advance in quotations and during the past week a steady flow of moderately sized orders confirmed the position of this material.

Strychnine.—Very steady prices prevailed. Demand was not very active and the large sales for agricultural purposes seemed to have ended for the time being at least. Local trading was along routine lines and buyers bought close to actual requirements.

Theobromine.—Busines was light. The more active season has ended and on the whole trading was on hand-to-mouth basis for the greater part of last week. Quotations were apparently steady.

Vanillin.—Competition compelled a change in minimum prices on this material. One of the prominent makers established $2.60 per pound on vanillin made from eugenol, and $2.50 on the guaiacol derivative. Up to a late hour last week another large manufacturer had kept his schedule unchanged but said that it was being shaded substantially.

Narcotics Model Act For D.C. Reported

The house committee on the District of Columbia May 18 reported a bill (H.R. 7982) to enact the uniform State narcotics act for the District of Columbia. A similar bill passed both the house and the senate in the last Congress, but conferees failed to reach an agreement before Congress adjourned.

Sharp & Dohme, Inc., pharmaceutical manufacturer, Philadelphia, held a meeting of its Baltimore sales force May 13th in the Lord Baltimore hotel. Dr. William A. Feirer and Dr. John E. Riechel of the Philadelphia office addressed the gathering. H. K. Mundorf, Baltimore division sales manager, also talked.

Razor Price Control Stopped by F.T.C.

—*Continued from page* 5

razors, or from obtaining them at less than the designated price. This policy, the commission says, was enforced by means of various practices, which included reporting names of dealers who did not observe the retail selling price; causing dealers to be placed on a "blacklist" of offending purchasers who were not to be supplied with razors unless and until they had given satisfactory assurance that they would maintain the designated price in the future; employing salesmen to report dealers who did not observe the resale price, and filling orders only for those dealers who sold at the suggested prices. In addition, the Schick company, in its stipulation, agrees to cease pledging dealers not to subjob or divert Schick razors to other dealers.

It is provided that nothing in the stipulations shall prohibit contracts or agreements prescribing minimum prices for the resale of a commodity which bears the trademark, brand, or name of the producer or distributor of such commodity, and which is in free and open competition with commodities of the same general class, when contracts or agreements of that description are lawful as applied to intrastate transactions under any statute or public policy in effect in any State, or Territory, or the District of Columbia.

The stipulations provide, however, that the foregoing proviso shall not permit any contract or agreement for the establishment or maintenance of minimum resale prices between the Schick company, or the Progress Corporation, and any other manufacturer, or between wholesalers, or between brokers, or between retailers of Schick dry shavers or Packard lektro-shavers, or between persons, firms or corporations in competition with each other in the sale of the respondent companies' razors.

Merck Distributing Leaflet On Its Cosmetic Materials

Merck & Co., Rahway, N. J., has issued a leaflet descriptive of the company's products made especially for manufacturers of cosmetics, deodorants, dentifrices, depilatories, scalp preparations, sun-tan products, and hair waving preparations. More than seventy Merck chemicals are listed for use by the toiletries industry, together with a break-down of the list according to specific uses. Merck & Co., will be pleased to send the leaflet to all who request it, and will enclose a blotter that will look well on any desk.

CROSBY

STEAM-DISTILLED

XH PINE OIL

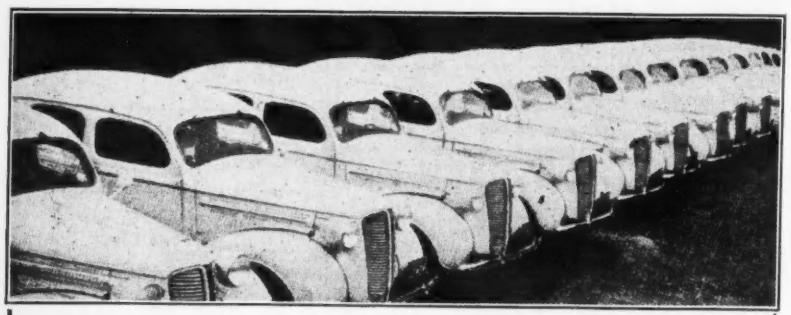
UNEXCELLED FOR DISINFECTANTS

Recent tests in England on a pine disinfectant containing 62.5% Crosby XH Pine Oil showed a phenol Coefficient of 7.5 by the Rideal-Walker method. The consulting chemists and bacteriologists* who made this test state that "this value of 7.5 is the highest value we have ever obtained for a straight pine oil" disinfectant.

*Name supplied on request.

We invite comparison with the BEST steam-distilled pine oil on the market.

CROSBY NAVAL STORES COMPANY
Picayune, Mississippi



CUT SALESMEN'S MILEAGE COSTS TO 3⅓c. or less

Our leasing cost is considerably lower than your present cost price of a new car and includes complete service and maintenance.

NO CAPITAL INVESTMENT. A NEW CAR EVERY YEAR

WHAT IS OUR PLAN: We lease nationally one or more Dodge, Plymouth and Chevrolet sedans or coaches at an annual rate so low that substantial savings are assured.

WHAT OUR RATE INCLUDES: *A new car every 12 months.* License plates in whatever states operated.

Fire, theft and collision insurance.

We include all items of service, maintenance and repairs of every kind and description.

Chains and anti-freeze.

Oil and grease.

Tire repairs and replacements.

Replacement of cars without any additional cost if destroyed by fire, collision or otherwise.

Purchase of your present equipment at fair appraisal value.

COST ANALYSIS:

	Per month
Plymouth or Chevrolet Sedans or Coaches	$45.00
Dodges (slightly higher per month)	
Rental cost per year based on $45.00 per month	$540.00
Based on 24,000 miles, the average yearly mileage of salesmen and 18 miles per gallon or 1c per mile for gas	240.00
Average fleet cost Public Liability and Property Damage insurance	30.00
	$810.00

This total of $810.00 divided by 24,000 miles gives you a total operating cost of .0337 cents per mile. As mileage increases, your cost per mile decreases because our rate remains standard. At 30,000 miles per year your cost would be .029 cents per mile.

Our rate includes every item of expense incident to the operation of cars, except gasoline and Public Liability and Property Damage insurance which we do not furnish. The cost of these two items has been approximated, herewith, based on our past experience. By adding these costs to our leasing charge we set forth what your actual cost per year or per mile should be under our plan.

WHY YOU SHOULD BE INTERESTED? Salesmen relieved of all worries and responsibilities prevalent with personally owned cars.

Corporations relieved of necessity of maintaining costly service garages.

No capital investment.

New cars every year, minimizing accidents.

You can estimate accurately your car costs a year in advance.

Cars always have a creditable appearance.

Use of Decalcomania permitted.

No restrictions on mileage or use of car at any time.

We guarantee 100 per cent transportation. Highest Bank References

The R. A. Company
Automobile Leasing Nationally
G. J. EGAN, New York Manager
Chanin Bldg., 122 East 42nd Street
New York City - (Ashland 4-9653)
Also Philadelphia, Penna.

Obituaries

Ernest S Davis

Ernest S. Davis, president of the Rogers & Hubbard Company, fertilizer producer, Middletown, Conn., died from a heart attack May 16, at his home in Portland, Conn. He was sixty-one years of age.

Mr. Davis had been associated with Rogers & Hubbard as vice-president for many years and he assumed the presidency of the company upon the death of Perry Hubbard last October. Mr. Davis was secretary-treasurer of the Independent Fertilizer Manufacturers' Association, and was also former chairman of the New England district for the National Fertilizer Association. In addition to his association with the Rogers & Hubbard Company, Mr. Davis was also treasurer of L. O. & E. S. Davis Lumber Company; director and vice-president of the Central National Bank and Middletown Trust Company, and a trustee of the Farmers & Mechanics Savings Bank, all of Middletown.

Henry Fisher

Henry Fisher, who retired as an executive of the Socony-Vacuum Oil Company January 1, 1936, after serving Socony-Vacuum and its predecessor companies continuously for sixty-four years, died in his home in this city May 17. He was seventy-nine years of age.

Mr. Fisher had been elected a director of the Standard Oil Company of New York in 1928, serving in that capacity until the merger with Socony-Vacuum in 1931. For a time he was secretary of the company and earlier in his career, which he started as an office boy, had been manager of the fuel oil department of Standard of New York. In 1909 he organized and managed the company's road oils department.

Surviving are his wife, two sons and two daughters.

Dr. John M. Kessler

Dr. John Martin Kessler, president of the Kessler Chemical Corporation, alcohol solvents, Philadelphia, Pa., was found dead in the Orange hotel, Orange, N. J., May 17. He was fifty-five years of age.

Born in Germany, Dr. Kessler was educated at Heidelberg and Munich University, receiving his Ph. D. degree in 1906. He was affiliated with E. de Haen from 1906 to 1908, and for the next two years was associated with the Continental Pegamoid Company. Dr. Kessler came to this country in 1910 to enter the employ of E. I. duPont de Nemours & Co., in the Arlington plant, remaining with that company until 1920 when he founded the Kessler Chemical Company. He remained as president of the company until 1929, when the firm became a wholly owned subsidiary of the American Commercial Alcohol Company under the name of the Kessler Chemical Corporation. Dr. Kessler continued as its head until his death. In 1934 he relinquished his membership on the directorate of the American Commercial Alcohol.

He was a member of the American Chemical Society, the Chemists' Club, this city, and the Verein Deutschen. Surviving are his wife; a son, John Martin Kessler, jr., and a daughter, Miss Ann Louise Kessler, and a brother, Gunther Kessler, of Saxony.

Frank S. Waldron

Frank S. Waldron, president of J. E. Goold & Co., wholesale druggists, Portland, Maine, died May 13 in his home in Portland.

Born in Hartland, Mr. Waldron's parents removed soon after his birth to Pittsfield, where he received his education, graduating from the Maine Central Institute. He became a registered druggist in 1897. At the outbreak of the Spanish-American War in 1898 Mr. Waldron enlisted as a pharmacist and served two years in Cuba, where he was in charge of all hospital supplies. He returned to Maine at the close of the war and entered the employ of Stone's drug store in Norway.

Until poor health forced him to retire, six years ago, Mr. Waldron was an active member of the National Wholesale Druggists Association, the New England Drug Exchange, the Maine Pharmaceutical Association, the Portland Club and the Portland Country Club. He was a thirty-second degree Mason.

Surviving, in addition to Mrs. Waldron, is a son, Joseph G. Waldron, of Portland.

Huntington Adams, who has been active in mining operations in Mexico and South America, and later as a consultant in this city, died in a New York hospital May 17. He was fifty-eight years of age. Surviving are his widow and a sister.

R. M. Birdsall, sales manager for Derris, Inc., importer of insecticidal materials and chemicals, this city, died May 6. He was well known in the insecticide industry and took an active part in its affairs. His survivors are his wife and two children.

Mrs. Selina C. Cornish, widow of Edward Joel Cornish, former chairman of the board of directors of the National Lead Company, this city, died May 18 in her apartment in the Hotel Savoy-Plaza, this city. Mrs. Cornish was eighty-eight years of age. Mrs. Cornish has been ill for several years and her condition was aggravated by the shock of her husband's death in his office a fortnight ago. Mrs. Cornish had married twice. Her first husband was the late Levi Carter, head of the Carter White Lead Company. Interment will be in Omaha, Neb.

Willard P. Dennis, for many years in charge of the export sales for Libby, McNeill & Libby, died May 15 in his home in Chicago. He was fifty-six years old.

Diedrich Geck, president of Geck Trading Corporation, importers and dealers in packing-house by-products and fertilizer organics, this city, died May 14.

Norman Xavier, assistant general manager for the Texas Oil Company in China, died in Shanghai May 19. He was fifty-four years old.

Bids Wanted

Acid, Sulphuric:—300,000 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 940, opening June 9.

Mixed:—270,000 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 940, opening June 9.

Alcohol, Ethyl:—14,052 gallons for Chicago and Perry Point; Procurement Division, Veterans' Administration, Washington, D. C.; procurement 1076, opening May 27.

Ammonia Chloride:—4,000 pounds; Chemical Warfare Service, Edgewood Arsenal, Md.; procurement 422, opening June 9.

Ammonia Perchlorate:—4,600 pounds; Chemical Warfare Service, Edgewood Arsenal, Md.; procurement 422, opening June 9.

Barium Nitrate:—8,600 pounds; Supply Office, Navy Yard, Washington, D. C.; schedule 7105, opening May 23.

Bauxite Ore:—600 tons, 30 percent more or less chemical bauxite ore; circular 92, opening June 1.

Black, Lamp:—6,000 pounds; Commanding Officer, Rock Island Arsenal, Ill.; procurement 650, opening May 25.

Calcium Carbonate:—4,000 pounds; Chemical Warfare Service, Edgewood Arsenal, Md.; procurement 422, opening June 9.

Hypochloride:—300,000 tubes; Quartermaster Supply Officer, Army Base, Brooklyn; procurement 628-258, opening June 13.

Charcoal, Lump:—250,000 pounds; Supply Office, Navy Yard, Washington, D. C.; requisition 13-NSA, opening May 23.

Candles, Wax:—60,000 for pilot balloon lanterns; Division of Purchase, Sales and Traffic, Department of Agriculture, Washington, D. C.; procurement 2564, opening May 27.

Hexachlorethane:—29,500 pounds; Chemical Warfare Service, Edgewood Arsenal, Md.; procurement 422, opening June 9.

Insecticide:—1,000 gallons; Purchasing and Contracting Officer, Quartermaster, CCC Camp, Beauregard, La.; procurement 5402-58, opening June 3.

Lead, Red, Dry:—2,000 pounds; Commanding Officer, Frankford Arsenal, Pa.; procurement 1021, opening May 5.

1,400 pounds; Commanding Officer, Rock Island Arsenal, Ill.; procurement 650, opening May 25.

White:—5,000 pounds; U. S. Army Engineers' Office, Pittsburgh, Pa.; circular 411, opening May 26.

Oil, Fuel:—75,000 barrels for Melville; Bureau of Supplies and Accounts, Navy Department, Washington, D. C.; schedule 2583, opening May 31.

Lard:—6,000 gallons; Commanding Officer; Springfield Armory, Mass.; procurement 250, opening May 31.

Soap, Chip:—2,640 pounds; Naval Supply Depot, Norfolk, Va.; schedule 9153, opening May 26.

Green:—6,000 pounds for Perry's Point; Procurement Division, Veterans' Administration, Washington, D. C.; procurement 996, opening May 31.

Soda Phosphate, Tri-basic:—26,000 pounds; Quartermaster, Army Depot, Chicago, Ill.; procurement 199-218, opening May 27.

Zinc Dust:—20,000 pounds; Chemical Warfare Service, Edgewood Arsenal, Md.; procurement 422, opening June 9.

Oil Trades Ass'n Outing At Pelham June 14

The Oil Trades Association of New York will hold its annual Spring outing at the Pelham Country Club, Pelham Manor, June 14. As usual, there will be a baseball game between the vegetable oil and the petroleum men and in addition golf, tennis and other pastimes.

Proprietary Ass'n Discusses Drug Products Control Laws

—*Continued from page* 3

pected to be tested soon by a national court for validity, and he expressed the opinion that should it be upheld other provinces would enact similar legislation.

He also reported that the Canadian opium and narcotic regulations had been amended to include marihuana and that the complicated Quebec fair wage law was now in effect for the drug industry.

Wheeler-Lea Act Explained

The Tuesday afternoon session was highlighted by an address by R. E. Freer, of the Federal Trade Commission. He spoke informally of the work of that bureau, particularly in the light of the recently enacted Wheeler-Lea amendments to the commission's organic act.

He briefly described the conditions which caused the amendments to be introduced and summarized the provisions of the amendments themselves, stressing the changes they have made in prohibiting false and misleading advertising of drugs. In conclusion he said:—

The new Federal Trade Commission amendments do entail new responsibilities both on the part of the Commission and business men. I do not have to tell you that the success of any law is primarily dependent upon wise and careful administration and public support. I know that the Commission is going to have the support of the Proprietary Association because all trade associations performing a useful service to their members must and do realize that public confidence can be gained and held only by adherence to a policy of absolute and scrupulous honesty.

Since such candor is all that the Federal Trade Commission should or will require, I am sure that the large numbers of the business world who already act upon the theory that "honesty is the best policy," will regard the Commission's new powers and remedies not as a sword to be used against them but as a shield to protect them and the public from the lesser number of unscrupulous business men.

It is my personal hope, and I know it is the hope of everyone else connected with the Federal Trade Commission, that the necessity for corrective action will be reduced to a minimum by the voluntary cooperation of advertisers, particularly in the field of drugs. You all know when advertising is false on its face, and you all know when advertising is misleading not only because of what is stated or reasonably inferred but also because of concealment or omission.

The Commission will continue in the future, as it has in the past, to determine the liability of individual advertisers in specific cases and solely on the particular relationships of the given state of facts to the provisions of the law.

In closing, may I say to you that the Commission hopes that the force of public opinion as recently expressed in a general demand for the passage of the Wheeler-Lea Act providing a stricter regulation of advertising of all commodities in general and of food, drugs, devices and cosmetics in particular, will be sufficient to cause advertisers generally to make their advertising copy tell the truth, the whole truth, and nothing but the truth.

For those few in number who choose to disregard their responsibilities under the Act, I can assure you that the Commission will promptly apply all or any of its corrective processes consistent with fairness and due process of law.

Following Commissioner Freer was a short address by W. C. W. Durand, of the MacFadden Publications, describing a campaign of "copy control" being promoted by an informal group of popular magazines. The purpose of the combination, he said, was to suggest the removal from advertising any statements or inferences disparaging or belittling products of the same class.

William Y. Preyer, executive vice-president of the Vick Chemical Company, then spoke on the increasing need of "truth in advertising." Mr. Preyer reviewed the activities of the association's Advisory Committee on Advertising and its added importance under recently enacted legislation.

Concluding the day's sessions was an address by Dr. F. J. Cullen, general representative of the association. He advocated strict truth in advertising and in part said:—

The manufacturer should realize that he must take every possible precaution to see that his labels and advertising comply strictly with the requirements of the various regulatory acts before it is used. He must insist that his advertising agency base statements made concerning his preparation on facts, and, further, that the trade puffery used in copy be within reason.

The Proprietary Association can materially assist your advertising agencies in preparing copy which will be less subject to criticism by members of the Federal agencies.

We are ready to give your advertising and labeling a final check before they are used, in order to assist you in complying with the requirements of the Federal laws that affect your preparations. Even with these precautions it cannot be guaranteed that some may not have difficulty, in the fact of ever-changing viewpoints in Washington.

James F. Hoge
Counsel for the Association

Dr. Cullen followed his address with a presentation of various phrases or products unsuitable in drug advertising. Among the items and statements for which careful treatment was urged, and where suggestions for improvement were given were:—kidney conditions, which many times result from serious body disturbances; gland tonics, which it was opined will be the first class of preparations cleaned-up by the federal authorities; "stubborn" rheumatism; "painful joints"; and "asthma" unqualified. He also recommended avoiding arthritis and high blood pressure advertising.

Wednesday Sessions

Business executives are conscious of the public demands of a socially-minded era and one striving to meet them, Lee H. Bristol, vice-president of the Bristol-Myers Company chairman of the association's Committee on Public Relations, said in his address opening the Wednesday sessions.

Mr. Bristol applauded the association for the steps it had taken internally to meet what he called "new-day requirements." This is the soundest kind of public relations, he said, but in the final analysis I believe the job must be localized—that is, it must be done by the individual manufacturer. The association can do its part and is doing it, but the real job must be done by you in your own plant, in your own community and through your contact with your public.

There followed a report by Earle Meyers on the activities of the Committee on Public Relaions during the year. He stated the committee was cooperating with press associations, business groups and all movements tending toward the promotion of the industry. He also described its efforts in arranging a radio broadcast, cooperatively with the Better Business Bureau, which exposed the "pitchmen" and worthless drug products; and with the National Wholesale Druggists Association during First Aid Week and National Pharmacy Week. He also announced that the committee had finally succeeded in having a building allotted to the drug industry at the New York World's Fair, 1939.

Following Mr. Meyer were given the reports of the various standing committees.

General Counsel Report

Next delivered was the report by James F. Hoge, general counsel of the association, on all of the legislation

Finest Quality and Uniformity D&O ESTABLISHED 1798 *Are Assured by the "D & O" Label*

A complete range of materials for the PROPRIETARY and TOILET GOODS Industries

BALSAMS
OLEO RESINS
ESSENTIAL OILS
AROMATIC CHEMICALS

"D & O" Specialties
Anethol, Eucalyptol, Eugenol, Safrol, Sassafras Artificial

"D & O" PERFUME BASES
for every purpose

We are Agents for the SPECIALTIES of
FABRIQUES DE LAIRE
PARIS
J. MERO & BOYVEAU
GRASSE

DODGE & OLCOTT COMPANY
180 VARICK STREET NEW YORK, N. Y.
Branches: Philadelphia Boston Chicago St. Louis Los Angeles
Plant and Laboratories: Bayonne, N. J.

A Guaranty of MERCK *Purity & Reliability*

MAGNESIUM

MERCK

TRISILICATE

A Superior Antacid and Adsorbent of Distinctive Properties

Prolonged Antacid Action • Greater Adsorptive Power* • Fine Mesh

Suitable for Tablets, Emulsions, or Powders

***Many times as active for methylene blue as is colloidal kaolin.**

LITERATURE ON REQUEST

MERCK & CO. Inc. *Manufacturing Chemists* **RAHWAY, N. J.**

New York: 161 Sixth Avenue • Philadelphia: 916 Parrish Street • St. Louis: 4528 S. Broadway

In Canada: Merck & Co. Ltd., Montreal and Toronto

during the past year which concerned the proprietary medicine field. He said that the effects of many of the enacted laws can be seen or foreseen and that by appropriate and timely action it was possible to avoid or direct them.

Among the bills passed, Mr. Hoge listed a trade-mark bill in Mississippi providing for the voluntary registration of marks or names; a fair trade law in the same State; amendments to the Virginia trade-mark law, perfective in nature; amendments to the Virginia fair trade act to conform it to most other state fair trade laws, chiefly to provide legal action against one who knowingly sells below stipulated prices; a new drug and cosmetic act in Virginia; a business privilege tax in the District of Columbia; the Wheeler-Lea Law; and a food and drug law in North Dakota.

Among the bills which died or were defeated during the year were a bill in Massachusetts requiring that any product for human consumption containing chemicals be licensed by the local health official; a Mississippi drug and cosmetic bill; trade-mark registration bills in New Jersey and New York; a New York bill which would have prohibited the sale by wholesalers to stores not registered by the Board of Pharmacy of drugs which are poisonous, deleterious, or habit-forming, and a drastic drug and cosmetic bill; and a bill to license new drugs in Georgia.

Bills still pending include:—A Massachusetts label statement bill being studied by the Public Health Committee of that state; and the Federal drug law.

The effects of these various laws, said Mr. Hoge, has been to add to the confusion of laws governing the drug industry. Speaking of this maze of regulations, he said:—

There is a splendid constructive job that could be done here by the drug industry as a whole. The drug industry acting as a unit—without regard to whether it is the proprietary, or the ethical, or the manufacturing, or the distributing divisions of it—should set itself for an intelligent, affirmative endeavor to simplify and modernize the regulatory control of the manufacture and sale of drugs throughout the nation.

It is certainly not too soon—the very hour is here—when the industry ought concern itself with the prospect of over forty State legislatures next year, and the opportunity presented then to avoid further confusion and, if the Federal food and drug bill has been enacted, to seek uniform legislation which conforms to the Federal.

Perhaps one of the most informative things that the industry could do, not only for itself but for the public, would be to undertake a definite showing of the volume, extent, and nature of drug control that exists in this country. It would be a complete answer to those who create the impression that it is an unregulated industry. It would be a complete exposition of the handicaps under which the industry operates through conflicting control. It would be a graphic answer to further conflicting proposals. It would serve the public, as well as the industry, in opening the way for more uniform and complementary regulation.

Mr. Hoge's address was followed by a spirited discussion. One of the questions raised was the responsibility of company directors and executives under the criminal provisions of the Wheeler-Lea Law. Mr. Hoge opined that all persons in the manufacturing organization having to do with the certification of the advertising in question were equally liable should such advertising be ruled false.

Another question concerned advertising, paid by the manufacturer of the product advertised, over the name of a single retailer. Mr. Hoge held this to be discriminatory to any other retailers of the product within the competitive zone of the retailer named. Questioned on the labeling requirement of the new North Dakota drug law, Mr. Hoge held that a manufacturer could not be prosecuted if he refused to sell directly to wholesalers or retailers located in that state, should his product, the label of which did not comply with the act, filter in from adjoining states.

The third annual report of the Committee on Barker's and Pitchmen followed. William H. Berg, chairman, reported that excellent results have been attained in driving to cover the individuals who had been maliciously slandering nationally advertised products. He asked that manufacturers cooperate with the committee by requesting salesmen in the field to immediately report pitchmen activities.

Officers Re-elected

The final important action of the convention was the election of officers. The nominating committee, under the chairmanship of A. H. Diebold,offered the following slate, which was elected unanimously:—President, George H. Miller, secretary and treasurer of the Musterole Company, Cleveland (re-elected); honorary vice-president, Dr. V. Mott Pearce; first vice-president; Charles S. Beardsley, Dr. Miles Laboratories; second vice-president, Robert L. Lund, Lambert Pharmacal Company; third vice-president, Alvin G. Brush, American Home Products, Inc.; Charles P. Tyrrell was re-elected for his twenty-sixth year as secretary and treasurer of the association.

Members of the executive committee elected for the term expiring April 30, 1941, were H. S. Richardson, Robert L. Lund, and J. Edward Murray. Members elected for the term expiring April 30, 1939, were Henry P. Bristol, of the Bristol-Myers Company; and Frank G. Hall, of the Murine Company.

Section Sessions

The scientific, veterinary and foreign trade sections of the association held their discussions on May 16, the day preceding the general business sessions.

The discussions were started by the Scientific Section with the presentation of a paper entitled "Present Methods for the Evaluation of Rotenone-Bearing Roots," by D. C. Beach, of S. B. Penick & Co. Mr. Beach stated that none of the present rotenone assay methods effect an absolutely complete separation of the rotenone, and hence give results below actual content. He urged that as much work as possible be given over to the matter and that no official procedure be promulgated until its accuracy and suitability is established.

Dr. F.J. Cullen
Washington Representative

New Antacid Described

Louis M. Roeg, of Merck & Co., then presented a paper, "Magnesium Trisilicate in Tablets and Powders for Gastric Hyperacidity." He stated that this newcomer to the medicinal field is a white, odorless, tasteless powder, insoluble in water. It has shown promise for use in the treatment of gastric hyperacidity and chronic peptic ulcers, since it absorbs hydrochloric acid from the gastric juice, and hence relatively small quantities are required. The average dose recommended was 7½ grains.

From the medicinal standpoint, it was said, the slowness of the reaction of the magnesium trisilicate with the acid of the stomach to form magnesium chloride and silicic acid, makes it a useful product. The formed magnesium chloride has a laxative effect and the silicic acid removes putrefactive bacteria from the intestinal tract, supplementing the treatment of gastric hyperacidity.

When combining this new agent in preparations, it was recommended that sodium bicarbonate, magnesium oxide, magnesium carbonate and magnesium hydroxide not be included in the preparation, as its object is to reduce the acid content of the stomach without obtaining an alkaline condition. Bismuth subcarbonate, U.S.P., and calcium carbonate, U.S.P., were given as suitable, since they are neutral ingredients.

There followed papers on the "Methods of Toxicity Tests on Animals," by Dr. H. D. Pease, of Pease Laboratories, New York; and "A Suggested Laboratory Method for Testing Fungicides Recommended for the Treatment of Epidermophytosis," by Dr. George F. Reddish, of the Lambert Pharmacal Company.

In addition there were discussions on the following subjects:—

Chemical Compatibility of Vitamin B1 Crystals in Various Preparations. Louis M. Roeg, discussion leader.

"Health Warning" Bulletin of Consumers Union. J. P. Snyder, discussion leader.

Nomenclature Studies of Such Words as "Narcotic," "Hypnotic," and "Poison." S. T. Helms, discussion leader.

Food and Drug Advertising Legislation, Dr. F. J. Cullen, discussion leader.

Veterinary Discussions

The meeting of the veterinary section was opened with a report by its chairman, Dr. H. M. Clark, of Dr. Hess & Clark, Inc., Dayton, Ohio. He disclosed creased and was destined to grow larger that the section's membership had instill in the year to come, he also stated that the scientific study of the section was heartily endorsed by its members and would be continued.

The section was addressed during its afternoon meeting by Dr. George E. Corwin, Deputy Commissioner of Domestic Animals of the state of Connecticut, on "Sulphanilamide in Bovine Mastitis," and by Dr. William Kennedy, of the Anchor Serum Company, of St. Joseph, Mo., who described the development and present methods of operation of the hog cholera serum and other animal biologics manufacturing industry.

At the dinner held Monday evening, the Veterinary Section was addressed by Dr. Harold A. Moskey, Veterinarian in the Federal Food and Drug Administration. He explained the organization and operation of the veterinary section of the administration.

After Dr. Moskey's address the section re-elected Dr. Clark as chairman. In accepting the chairmanship for another year, Dr. Clark expressed the thought that the semi-annual meeting of the section be held in some midwestern city as the majority of veterinary preparation makers are located there. This suggestion was endorsed by the section.

Foreign Trade Section

The foreign trade section, under the chairmanship of Joseph D. Bohan, of the Centaur Company, met Monday afternoon. Keynoting the discussions was an address by Walter Schleiter, of Muller-Phipps (Asia), Ltd. He described conditions in India, recommending it as an outstanding marketing opportunity for American pharmaceuticals. He estimated that 12,000 Indians were prospective consumers of such merchandise, its entire population being many times that number. Describing the promotional methods employed in India, he said billboards, tin signs and sound trucks were most effective.

The section also heard D. D. Williams, of the National City Company, this city, who spoke on current exchange conditions; Walter Beardsley, of Miles Laboratories, who explained the pitfalls encountered by new manufacturers in the export field: Robert Otto, of the Export Advertising Agency, who spoke on the use of radio as an advertising medium in Latin America; and D. D. Chapman, of the United States Department of Commerce, who described the services offered by the department to exporters.

In the general discussions following the addresses, which centered around the recent break in diplomatic relations between Mexico and England, it was the consensus of opinion that the present critical Mexican condition would exist for several months, but that Mexico would continue a very good market for American products.

Perry & Derrick Co. Observe Twenty-fifth Anniversary May 12

Cincinnati, O., May 18, 1938

In observing the twenty-fifth anniversary of the founding of the Perry & Derrick Company, of which Ferd J. Derrick is president, the entire Cincinnati Paint, Varnish and Lacquer Association was entertained at the Clovernook Country Club. Mr. Derrick was presented with a set of golf clubs.

In 1913 Mr. Derrick bought out the Paff Varnish Company, which he operated for awhile and later organized the Perry & Derrick Company. Present at his dinner were:—Vincent Ruthmeyer, Edward J. Shannon, Arthur Winstel, F. L. Emmert, Fred J. Harmeyer, George Todd, Richard Franz, E. J. Bradley, A. J. Grosser, Max Williams, M. J. Davis, M. L. Greiser, Patrick Armstrong, Miles Zoller, Arthur Cavy, C. M. Durbin, D. E. Jones, C. L. Zimmerman, W. F. Saas, Lawton Daly, B. H. Roettker and E. Wrampelmeier.

Drug Standards And Tests Discussed

Alkaloid and Drug Standards

A number of subjects were presented in the report of the subcommittee on alkaloid and drug standards, of which Dr. F. O. Taylor, of Parke, Davis & Co., was chairman. Summaries are given below:—

Aloe Standards

A subcommittee of the contact committee, headed by D. N. Copley, had undertaken a study of aloe standards because of the number of detentions of imports that had been made on grounds of failure to meet U.S.P. requirements. This committee found the official botanical description satisfactory, and was satisfied with the existing ash standard and that for water-soluble extractive.

With respect to other particulars of the standards the subcommittee presented the following recommendations based on findings submitted in the report:—

1. The page reference in line 9 of the monograph be corrected.

2. The high limit for moisture be increased from 10 percent to 12 percent.

3. The second identity test be revised as follows:—

"Intimately mix in a flask or bottle about 1 gram of powdered aloe with 25 cc. of cold distilled water, shake the mixture occasionally during two hours, transfer to a filter and wash with sufficient cold distilled water to make the filtrate measure 100 cc. The color of the filtrate, viewed in the bulb of a 100 cc. volumetric flask is light yellowish-brown with socrotine aloe, and reddish brown with curacao aloe. The filtrate darkens on standing."

4. The word, "deep," be deleted in paragraph 5 under "Test for Identity."

5. The test for purity be placed on a quantitative basis as follows:—

"Add 1 gm. of aloe, well powdered, to 50 cc. of alcohol in a flask. Gently heat the mixture, avoiding evaporation loss; remove from the heat and shake at intervals during one hour. Pour carefully on a small weighed filter paper, or suitable weighed filtering crucible, and wash with alcohol until the washings are colorless. Dry to constant weight at 100° C. and weigh. The weight of the anhydrous residue does not exceed 10 percent of the weight of the aloe taken (alcohol insoluble substances)."

6. The question of the application of the blanket acid-insoluble ash standard to aloe be clarified.

Digitalis

For the subcommittee on digitalis, Dr. Taylor reported further study of the relation of the U.S.P. standard digitalis powder to the international standard. This study had been carried on in ten co-operating laboratories, using the frog method. The findings of the several laboratories differed, as has been customary in tests of digitalis, five of them finding the two standards closely equivalent, the other five finding the U.S.P. powder to be considerably stronger than the international, the average for the ten indicating that the U.S.P. unit was 118 percent of the international unit. From other data the subcommittee concluded that the increase in the strength of the U.S.P. standard, assayed as tincture, was considerably more than the expected 25 percent.

The committee, noting the conflicting findings, concluded:—

"The one definite conclusion which can be drawn from them is that the matter of standardization of digitalis and its preparations is still far from a settled problem and that both the standard reference powder of the U.S.P. and the method of assay as now included in the pharmacopeia require much further careful study. It appears that there may be details of procedure followed by different pharmacologists which influence the results and which are not either directed or prohibited by the wording of the present method of assay. It is a natural conclusion that where direct comparison can be made between two lots of powdered digitalis, differences in manipulation or even different types of assay should not make as great a difference as has been found in this co-operative work. Nevertheless, these are the facts as determined and reported, but the reason for these variations is not yet apparent and the problem of the assay of digitalis is still a controversial one."

Mydriatic Alkaloidal Assays

Investigations of the mydriatic assays of belladonna, hyocyamus, and stramonium and various preparations of these drugs were reported in detail by the subcommittee on mydriatic alkaloidal assays. With general reference to these processes the subcommittee expressed the conclusion that the shake-out extraction method of the U.S.P. X yields substantially more concordant results than the extraction method of the U.S.P. XI. In no instance did the acid extraction method of the U.S.P. XI, repeated but once as officially directed, remove the alkaloids quantitatively, three to ten extractions being required. No numerical ratio could be established between the results obtained by the two methods.

With respect to final heat treatment of the alkaloids it was found that the U.S.P. XI process was more suitable than one involving longer heating and than the B.P. method. It was found that the original

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U.S.P. XI position respecting volatile basic substances present in mydriatic drugs was substantiated.

The committee reported the proposed assay methods to be "the best available at this time and essentially suitable." It recommended that differences between the N.F. methods and the proposed U.S.P. methods be reconciled.

Analytical Assay Methods

Methylene blue and ephedrine salts were the drugs which the subcommittee on analytical assay methods had studied during the past year. The subcommittee's report, presented in summary by F. J. Fosbinder, of the Maltbie Chemical Company, was an exhaustive presentation of laboratory data.

Methylene Blue

In the first steps of its work on the assay of methylene blue the subcommittee reached the conclusion that the U.S.P. X iodine method was unsatisfactory and could be expected to give results about 10 percent low; that the results were affected by the weight of the sample, the concentration of the sodium acetate solution, and decomposition of the dye during drying—error could be minimized by using 0.10 gram of anhydrous dye and 150 cc. of 10 percent sodium acetate solution. On these findings the need for improvement was noted to the U.S.P. revision committee.

The U.S.P. committee was informed of a co-operative study being made of a new method—the perchlorate method. Data on this study were reported in detail, the perchlorate method having been found to be far superior to the U.S.P. method. Its adoption by the U.S.P. revision committee was recommended, and it was also recommended that the U.S.P. specifications be changed to:—"Methylthionine chloride when dried to constant weight at 110° C. not less than 98 percent $C_{16}H_{18}N_3ClS$."

Ephedrine Salts

With a view of avoiding objectionable features of the U.S.P. assay method for ephedrine salts the sub-committee conducted a co-operative study of a method proposed by Dr. W. J. Rice, of Eli Lilly & Co. The study indicated the desirability of certain changes in the proposed method, and the work resulted in a recommendation that the U.S.P. and N.F. committees adopt the modified method, stated as follows:—

"Transfer about 0.2 gm. of ephedrine sulphate dried over sulphuric acid for twenty-four hours and accurately weighed, to a separator. Add 10 cc. of distilled water and 3 cc. N/2 NaOH and extract with six portions of ether, using 20 cc., 15cc., 10cc., 10 cc., 10 cc., and 10 cc., respectively. Collect the ether extractions in a separatory funnel; wash the combined extractions with 5 cc. of distilled water; and transfer the washings to a second separator. Now extract the water washings with 10 cc. of ether and add this ether extraction to the combined ether extractions in the first separator. Discard the residual water. Then extract the combined ether solutions with 15 cc. of N/10 sulphuric acid followed by 10 cc. and 5 cc. portions of distilled water. Collect these acid and water extractions in a beaker and gently evaporate on a water-bath until the odor of ether is no longer perceptible. Cool and titrate the excess of acid with N/50 sodium hydroxide using methyl red T.S. as the indicator.

"One cc. of tenth-normal sulphuric acid is equivalent to 0.01651 gm. of ephedrine."

Chemical Tests and Standards

Continuation and conclusion of work on the assay of ammonium benzoate and ammonium salicylate were reported by the subcommittee on chemical tests and standards, of which L. A. Watt, of the Monsanto Chemical Company, was chairman. The subcommittee had also worked out a change in methods for caffeine with sodium benzoate.

Preparations for the next year's work were submitted with reference to chloral hydrate, bismuth subnitrate, and bismuth subgallate.

Ammonium Benzoate

The method found more satisfactory than that of the U.S.P. comprised drying of the ammonium benzoate over sulphuric acid, mixing it with ether, titrating with N/2 HCl; using bromophenol blue as the indicator until the aqueous layer is permanently colored, each cc. of N/2 HCl being equivalent to 0.06954 gm. of $C_6H_5.COO.NH_4$.

It was concluded that the acidity limit should be dropped because ammonium benzoate has essentially no acidity. Retention of the 98 percent minimum assay was favored.

Ammonium Salicylate

Procedure similar in general respects to that suggested for ammonium benzoate was suggested for the assay of ammonium salicylate, with the difference that the ethereal layer was separated and rewashed and only a part of it remixed with the aqueous portions. Each cc. of N/2 HCl was reported equivalent to 0.07755 gm. of $C_6H_4.OH.COO.NH_4$.

Caffeine and Sodium Benzoate

For the assay of caffeine in admixture with sodium benzoate a process of selective extraction with water and chloroform was suggested, the chloroform solution being evaporated and the residue (dried at 80° C.) weighed as anhydrous caffeine.

The sodium benzoate process was similar to that for ammonium benzoate, the aqueous solution from the caffeine step being mixed with ether. The titration was with N/10 HCl—1 cc.= 0.014404 gm. of $C_6H_5.COO.Na$.

Aspirin Assay

Special work had been done by a group from the subcommittee in an endeavor to improve the N.F. method for the assay of aspirin tablets. This work led to the suggestion of the following modifications:

Use of N/2 NaOH and H_2SO_4 instead of N/10 solutions.

Definite statement that second titration be conducted at room temperature.

Use of an increased amount of excess alkali to aid in effecting complete hydrolysis.

Increase of size of sample to 1.5 grams.

Directing the running of a blank.

Crude and Milled Drugs

During the year the subcommittee on crude and milled drugs had gathered data respecting aloe, ergot, and digitalis, which were reported to the section by the contact committee. With respect to other drugs the subcommittee, through R. A. Cain, of Sharp & Dohme, Inc., reported as follows:—

During the year numerous rejections of imported drugs have been placed on the record at the various ports of entry to the United States. Occasionally for unexplained reasons shipments pass through which do not meet U.S.P. XI or N.F. VI requirements. One shipment of this type consisted of belladonna leaves adulterated with poke leaves.

Other rejections, for causes enumerated under each drug, are as follows:—

Saigon cinnamon.—Adulterated with about 20 percent cassia cinnamon.

Pareira brava root.—Stem instead of root.

Cassia cinnamon.—Poor quality drug with a musty, moldy odor.

Elecampane root.—Dark in color and contained considerable soil and other foreign organic matter in excess of the usual 2 percent maximum allowance.

Gum guaiac.—Two types of drug; did not meet U.S.P. requirements.

Couch grass.—Entirely different in appearance than any couch grass received in the past; impossible to classify the drug as of N.F. quality.

Chirata.—Not *Swertia chirayita*, but consisted of *Andrographis paniculata*, a plant having properties similar to Chirata.

Sage.—Wrong variety, *Salvia triloba*, instead of *Salvia officinalis*.

Colchicum corm.—Low in assay, 0.30 percent anhydrous colchicine, whereas the N.F. standard is not below 0.35 percent.

Black hellebore.—Not clean and free from soil.

Althea root.—Quality not uniform throughout lot; part represented prime quality, young marshmallow root; part represented much older root and was woody.

Cramp bark.—Drug was a little fresh and somewhat green; it also contained more wood fiber than usually received in cramp bark.

Elder flowers.—Contained more than acceptable quantity of stems; also dark in color.

Gland Products and Ferments

Detailed findings and comments were reported by Frederic Fenger, of Armour & Co., chairman of the subcommittee on glandular products and digestive ferments, for the year's work on assay of thyroid tablets, rennin and trypsin standard powders, and the Smith-Sorensen method for pancreatic preparations.

Quite satisfactory results were reported with a slight modification of the U.S.P. thyroid method. The stability of the standard N.F. rennin powder was found to be all that could be desired. The year's tests showed further deterioration and lack of suitability with respect to the A.D.M.A. standard trypsin. Difficulties had been encountered in experiments with the alternative Smith-Sorensen method, especially in respect of the precision required during the period of hydrolysis. Continuation of this work was recommended.

A brief report of progress in the work of the subcommittee on pharmacological assays of aconite and pituitary products was made by Dr. Paul S. Pittenger, of Sharp & Dohme, Inc., chairman.

Synthetic Organic Chemicals

The subcommittee on synthetic organic chemicals, reporting through Dr. E. A. Volwiler, of Abbott Laboratories, reviewed its work on the assay of theo-

—*Continued on page* 50

Botanical Drugs, Spices, and Gums

Competition Keen and Sellers Show Tendency Toward Price Shading —Limited Volume Contributes to Market Unsettlement —Outlook for European Crops Fair

Although the surface of the botanical drug market was comparatively calm last week, signs of surface unsettlement were not lacking and a current of substantial competition ran strongly enough to keep price shading a too prominently a part of business throughout the period.

The conservative volume of sales was, in considerable measure, the cause of the unsettlement. Buyers bought little more than their actual needs, and the keenness with which dealers competed for the limited volume of orders made prices unsteady and subject to shading.

Ordinarily, business at this season should be very good. Spring trade is usually an attractive part of the year's commerce and serves to offset the inevitable dullness in Summer. This year, Spring trade has been much less than normal and with the Summer months but weeks away, some dealers do not look forward to any substantial revival of consumer buying earlier than next Fall. A routine run of orders seems, to them, to be the reasonable prospect. However, it was pointed out last week that in the past, a poor Spring had been occasionally succeeded by a more than active Summer. Hence, there is some reason to temper opinion on the present situation with the possibility that Summer trade this year may exceed normal expectancy.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Anise, Spanish, ¼c. per lb.
Caraway seed, ¼c. per lb.
Cumin seed, Algerian, ¼c. per lb.
Cassia, China, select, broken, ¼c. per lb.
Ginger, Jamaica, medium bold, ¼c. per lb.
Hempseed, ¾c. per lb.
Lycopodium, 5c. per lb.
Mustard seed, Danish yellow, ¼c. per lb.
Pichi leaves, 2c. per lb.
Poppy seed, Dutch, ¼c. per lb.
Pepper, black, Alleppy, ¼c. per lb.
Lampong, ¼c. per lb.
White, Java-Muntok, ¼c. per lb.
Saigon, ½c. per lb.
Saffron, Spanish, $3 per lb.

Reduced

Anise, star, ½c. per lb.
Cardamom, bleached, 8c. per lb.
decorticated, 6c. per lb.
green, 4c. per lb.
Camphor, natural, slabs, ½c. per lb.
powdered, ½c. per lb.
tablets, 1c. per lb.
Celery seed, French, ¼c. per lb.
Indian, ¾c. per lb.
Cumin seed, Morocco, ½c. per lb.
Cassia buds, 1¼c. per lb.
Clove, Madagascar, ¼c. per lb.
Elm bark, select, 5c. per lb.
Ginger root, Jamaica, bright grinding, 1c. per lb.
Gentian root, whole, ½c. per lb.
Horehound herb, 2c. per lb.
Lavender flowers, select, 2c. per lb.
Peppermint leaves, foreign, 3c. per lb.
Pepper, red, chillies, Japanese, ½c. per lb.
Raspberries, 2c. per lb.
Rose flowers, pale, 5c. per lb.
Skunk cabbage root, 5c. per lb.
Turmeric root, Aleppy, ½c. per lb.
Madras, ¼c. per lb.
Wahoo, root bark, 2c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
127.1	**127.1**	**130.3**	**130.3**

Market news that may have developed after this report was sent to press will be found on page 4.

Entries of bontanicals at the port of New York since the week of January 1, 1938, the detentions of these items by the Department of Agriculture because of the presence of matter rendering them unfit for human consumption were:—

	Bags—Detained.	Bags—Entered.
Anise	219	604
Belladonna	51	218
Caraway	684	2,888
Cardamom (cases)	25	854
Celery	...	408
Coriander	980	2,010
Cumin	312	1,128
Digitalis leaves (cases)	68	68
Dill	...	168
Fennel	132	160
Henbane leaves (bales)	42	107
Mustard	200	14,884
Poppy	300	17,776
Sage leaves (bales)	25	245
Sesame	421	3,580
Stramonium (bales)	419	419
Thyme (bales)	9	182

Balsams

Peru.—Jobbing business was fairly good and the market as a whole was one of very steady undertones throughout the past week. Prices held well and were reasonable.

Tolu.—Inquiry was irregular and mainly indicative of very small manufacturing requirements. The available spot stocks were of substantial size.

Barks

Angostura.—A few transactions ran up a fairly good sized total of trade last week and contributed to the maintenance of steady prices and also to the suppression of excessive competition between suppliers.

Black Haw.—Indications point thus far to a fair collection of the article, but it was felt to be too early to make a definite forecast regarding the substantial replenishment of the very small stocks remaining in the primary market at the end of the last crop year.

Condurango.—The article had appeared but seldom in transactions for some time past but last week a few lots went into consumption and the price position was revealed to be one of substantially firm undertones.

Elm.—Local quotations to the consuming trade made selected bark lower at 45c. to 50c. per pound after a prolonged period of price stability. New crop influences were at work in favor of buyers for consumption.

Orange Peel.—A slight gain in inquiry was noted but most sellers failed to indicate that there had been any substantial increase in sales to manufacturing consumers. A firm market was backed by an adequate supply of spot merchandise.

Soap.—Considerable spot competition was noted and while no further change in open quotations was made last week, the situation still favored those with firm orders to place. The trend of late had been downward within narrow limits.

Wahoo.—Root bark was shaded to 45c. to 47c. per pound and conditions seemed to suggest continued tendency toward easier position as stocks increase. Tree bark lacked quotable change.

Beans

Tonka.—Values failed to decline further but the situation was still somewhat unsettled and conditions in a small degree were more favorable to buyers than sellers of Angostura beans.

Vanilla.—A substantially steady spot market was the rule and throughout the past week well maintained prices were backed by very fair, if not exactly expansive, demand for spot goods. Foreign markets were very steady. The fact was that world stocks are almost certain to be conservative for several years —at least until new plantings in the Far East come to maturity. Meanwhile, local importers expect higher prices but some fear that such a development will result in curtailed buying by consumers; that was the result in the not far distant past.

Berries

Laurel.—A fair carryover was in hand at the source and the outlook for a reasonably satisfactory collection was felt to be good. Quotations were very steady everywhere.

Prickly Ash.—Small, and strictly jobbing, business prevailed last week but the market had a steady quality that kept company with an absence of much competition on the spot. Stocks were adequate but hardly excessive.

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

PROFESSIONALLY HOPKINS BRAND MILLED
ANALYZED - STANDARDIZED
CRUDE DRUGS

Acacia Gum
Aloes
Aniseed
Buchu Leaves
Chamomile
Dandelion Root
Doggrass
Elm Bark
Ergot
Fennel Seed
Ipecac Root
Irish Moss
Jalap Root

Kava Kava
Lavender
Myrrh Gum
Papain
Quince Seed
Saffron
Sarsaparilla
Saw Palmetto
Senna Leaves
Tragacanth
Valerian
Wild Cherry Bk.

CRUDE DRUGS
J. L. HOPKINS & CO.
220 BROADWAY, NEW YORK

Gum Tragacanth---Gum Arabic
Importers
THURSTON & BRAIDICH, 286 Spring St., NEW YORK

KARAYA TRAGACANTH ARABIC
GUMS
WHOLE AND POWDERED
FRANK-VLIET CO. INC.
160 WATER ST. NEW YORK, N. Y.

Raspberries.—Local conditions were more competitive and led to prices being lowered to the basis of 53c. to 55c. per pound when some firm orders came to the spot. Replacement of spot stocks with lower cost new crop material was expected to keep prices moving in favor of buyers.

Flowers

Calendula.—Undertones were steady. Local sellers were mainly content to hold present stocks since it was uncertain that any substantial reduction in replacement cost would come when new crop is offered from abroad. Demand was quiet.

Chamomile.—Indications did not point to any substantial cheapening of prices on new crop Hungarian material. Present prices were considered to be low, especially on the spot, where competition has forced values in favor of buyers. Trading was conservative last week.

Lavender.—Local dealers reduced prices on select flowers once more last week. The market became 46c. to 48c. per pound, and with demand being light the situation was distinctly favorable for buyers.

Malva.—Prices on this article have been inert for a long time past and the relatively steady market continued unchanged last week. Some quarters expect lower prices to come when new crops begin to be pressed on this market.

Poppy.—Quotations were well maintained. Stocks were fairly ample on the spot and the consuming outlet has not been too favorable for some time past. However, prevailing prices were reasonable and were expected to hold unless there shall be a sharp reduction in new crop replacement costs.

Rose.—Pale flowers were lowered to 25c. to 30c. per pound and dealers expect to replace at fairly attractive prices in the primary market. Red flowers remained steady.

Saffron.—Spot stocks were short and it was hard to get shipments from Europe. Spanish material was advanced here to $28 to $29 per pound and sellers were distinctly reserved in offerings. Mexican saffron remained attractive in price and subject to routine request.

Gums

Aloe.—Cape gum steadier at a minimum of 20c. per pound and supplies of the article are too small to suggest the development of any real price weakness. Curacao gum was exceptionally firm and likely so to remain in view of the lack of normal stocks in the primary market.

Arabic.—Competition was fairly active for the reason that the outlet to consumers has been narrow for some weeks past. Normal consumption was in abeyance and recovery cannot come earlier than a return of larger demand for finished products. Open quotations lacked change.

Asafetida.—Stocks were conservative in size and held in quarters notably firm in their views on prices. Local reserves were highly conservative in size and early increase was not thought to be likely since primary market offerings were conservative.

Camphor.—Quotations on natural camphor slabs and powder were slightly lower at 53½c. to 54½c. per pound; tablets, 58c. to 59c. The movement was indicative of the not entirely satisfactory sales that had featured trading during the Spring months. Synthetic camphor remained steady and well stabilized as to price.

Herbs and Leaves

Buchu.—The market has become fairly stable, but some feel that values were being kept too low by the presence of a very keen competition for the not large amount of business current at this time.

Horehound.—The market was shaded to 10c. to 11c. per pound, being a movement in line with what usually happens at the end of the more active consuming season. Local stocks were said to be ample.

Peppermint.—Domestic material was reduced to its former level of 45c. to 48c. per pound, demand being insufficient to keep the recent advance in effect. Domestic material remained steady and free from change.

Pichi.—The market was 10c. to 12c. per pound, being firmer at an advance and being not very well supplied with prompt delivery merchandise, according to prominent suppliers. Undertones showed considerable strength at the end of the period.

Uvi Ursi.—A dull market prevailed, but the price remained at 10c. to 11c. per pound pending further developments regarding the future of supplies from the primary market.

Miscellaneous

Balm of Gilead.—Although conditions pointed toward possible easing of spot quotations on dried buds, no further movement in favor of consumers took place last week. Also, demand was not very active.

Cassia Fistula.—Considering the generally dull state of trade, the movement of this article was considered to be very good last week, and values had firmness not always to be found in other items in the market.

Kamala.—Powdered material was offered freely by first hands in this market at prices distinctly more attractive than those named by dealers as going values. However, such dealers continued to quote a steady situation at 32c. to 33c. per pound.

Lycopodium.—Prices strengthened some, and late last week the minimum quotation was $1.05 to $1.10 per pound. This was in line with the prevailing replacement cost, which of late has been moderately easy at the source.

Papain.—The spot market remained at $1.35 to $1.40 per pound for powder, and the situation seemed to have steadier elements. At least the severe competition in recent weeks was no longer noted on the surface of the market. A liquid papain produced in Florida was offered at $5 per gallon.

Roots

Gentian.—Whole root was lowered to the basis of 9c. to 10c. per pound without quotations on powder and granular material being affected. The general undertone of the market for this article had been easier for a number of weeks.

Hellebore.—This is the season when the sale of powdered while hellebore should undergo expansion. However, the season has been somewhat backward and trade has remained but moderately improved. Prices were firm.

Mandrake.—Progress with the crop has been moderate to date, and indications did not favor the production of an exceptionally large stock. Also, ideas on new crop prices were free from any substantial weakness. Spot quotations were well held.

Skunk Cabbage.—New crop influence caused a further decline in price, and late last week spot dealers named 20c. to 22c. per pound, while reporting conditions to be still developing along lines favorable for buyers.

Turmeric.—The market eased and declined as offerings were pressed and consumption lagged. Alleppy root was quoted at 5¼c. to 5¾c. per pound, while the Madras article was noted at 6¼c. to 6¾c.

Seeds

Anise.—Spanish seed was fractionally higher at 13¼c. to 13⅝c., and star seed from China was lower at 13½c. to 14c. per pound. The developments were directly the result of supply and demand.

Caraway.—Prices were a small fraction higher at 7c. to 7½c. per pound but, fundamentally, the market lacked any substantial change. Demand was routine and rarely in excess of jobbing size. Stocks were ample.

Caradamom.—Bleached seed dropped sharply to the basis of $1.30 to $1.65 per pound, ruling over that range according to quality. Decorticated seed was also reduced to 82c. to 84c., and green was off to the basis of 54c. to 56c. All developments here reflected the replacement position of the article.

Celery.—Under competition, both varieties of this article were shaded. French seed was down to 13¾c. to 14¼c. per pound, and sellers asked 11¾c. to 12c. for the produce of India.

Cumin.—Algerian seed was up slightly and sold in fair quantities at 8½c. to 9c. per pound. The position of Morocco seed was still nominal but the price quoted was lower at 9c., made without offer and being purely indicative of a market view of buyers.

Hemp.—Demand was sufficiently better to bring about a fractional advance to the basis of 6c. to 6.40c. per pound and at the end of the week undertones were very steady in all directions.

Poppy.—Dutch seed sold more freely and in somewhat improved quantities. The market was 11c. to 11⅜c. per pound and very steady throughout the period. Polish seed lacked new development.

Spices

Cassia.—Buds were in renewed supply and prices were down considerably, the market being 16½c. to 17c. per pound. Extra select, broken China cassia was slightly higher at 4⅝c. to 5c. per pound. Demand was distinctly routine.

Cinnamon.—Ceylon No. 2 was reported at 17c. to 17½c. per pound and the market was firmer at the fractional rise. No. 3 remained unchanged. Demand was irregular.

Clove.—Madagascar spice was 13½c. to 14c. per pound and very steady thereat. Zanzibar was well held in all quarters and met a fair sized consuming demand throughout the week.

Ginger.—Medium bold Jamaica root was up to 14¼c. to 14½c. per pound and the bright grinding was shaded to 12½c. to 13c. No further change in African root was reported and it seemed likely that a steadier situation would develop, prices being distinctly on the low side.

Pepper.—Black Alleppey was priced at 8c. to 8⅜c. per pound; Lampong, 5½c. to 6c.; white Java Muntok, 8¼c. to 8½c.; Saigon, 8⅜c. to 8¾c.; red Japanese chillies, 18c. to 18½c. The general market position was steady so far as spot business was concerned.

Trading in black pepper futures on the New York Produce Exchange from May 14 to May 20, inclusive, comprised 63 contracts, a total of 2,116,800 pounds. Following is a price record for the week:—

	Cents per pound—		
	High.	Low.	Close.
January	5.50	5.40	5.46@5.50
March	5.73	5.50	5.56@5.58
May	5.16	5.10	5.09@5.15
July	5.17	5.17	5.12@5.20
December	5.50	5.40	5.40@5.47

Drug Standards And Tests Discussed

—Continued from page 48

phylline with ethylenediamine. Study of bioassays of strophanthin and standards for scopolamine hydrobromide had not been carried far enough to permit a report.

The subcommittee said that the U.S.P. method for theophylline with ethylenediamine had been found unsatisfactory and unreliable. The Stevens-Wilson method was preferred; the Reimer procedure, although giving slightly higher results, was found to provide better checks than the Stevens-Wilson method; the latter required less time. The loose and variable molecular combination of the compound was noted as a factor. Continued study of the two methods was recommended.

Vitamin Assays

The year's work of the committee on vitamin assays had been principally on vitamins B_1 and B_2, with some attention to vitamin C. The committee's report by Dr. A. D. Holmes, of the E. L. Patch Company, chairman, gave a concise picture of the status of spectrophotometric assay of vitamin A in fish-liver oils. In most part it was a commentary on flavin assay methods for vitamin B_2, although there was an informative review of work on the development of technic in the assay of vitamin B_1, and the conclusion was expressed that technic was less important than a satisfactory reference standard—for this pure crystalline synthetic vitamin B_1 was preferred to an adsorbate, and experimentation with the thiochrome method was suggested.

Chick and rat flavin methods were discussed in the light of experimentation. The committee reported development of more satisfactory flavin-deficient diets. The possibilities and desirability of chemical and physical methods of flavin assay were noted.

As further work the committee suggested the perfecting of an official bioassay method for vitamin B_1; the study of colorimetric assay of this vitamin; the elaboration of a physical, chemical, or biological flavin assay method; the perfecting of a biological or titration method for vitamin C; the preparation of a method for measuring vitamin B_6. Study of vitamin problems of particular importance to the association's members was also suggested.

Catalog Simplification

Formation of a joint committee on catalog simplification with the American Pharmaceutical Manufacturers Association was reported by the chairman of the A.D.M.A. committee, Dr. W. J. Rice, of Eli Lilly & Co. This joint committee had held four meetings during the year. Much of its activity had to do with the ruling of the Food and Drug Administration that a drug would be considered misbranded if named after one or more, but not all, of its physiologically active constituents.

It had not been found possible to formulate definite rules interpretative of this official attitude, but the committee, through analyses of approved names, had been able to make the following deductions:—

'Compound' Drug Names

First, it is obvious that it is not necessary to use the word, "compound," to indicate the presence of inert ingredients.

Second, it is not even necessary to include the names of all physiologically active constituents in a title using the word, "compound."

Third, the word, "compound," is not to be used in a title if all the physiologically active constituents are named in the title.

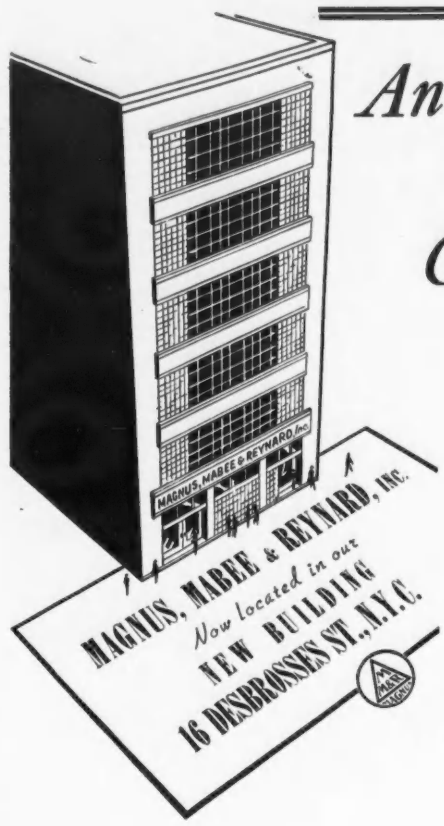
Fourth, it is satisfactory to use abbreviated names for certain active constituents named in the title, as "Blaud and Arsenic" for a compound of Blaud's mass and arsenic trioxide.

Fifth, the practice of using numbers or letters as suffixes to differentiate titles for different formulas is approved.

Sixth, a title should include at least some of the therapeutically significant constituents. Here no hard and fast rule has been established, nor, for that matter, any means of determining therapeutic significance. So far, in suggesting names for the approval of the government officials, your committee has attempted to include in the title the name of at least one poisonous constituent, if such there be, so that the title will indicate the potentialities of the preparation.

A request for revocation of the F.D.A. ruling had not been complied with, and discussions were held on specific names. These resulted in agreement on new names for nine Blaud combinations and sixteen other titles. Lists of names will be published when they have been finally approved by the Food and Drug Administration.

The committee has adopted as a rule with respect to the list of standard names that a name will be deleted where it is used by not more than one manufacturer.



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A symbol of growth in steel and mortar, it stands as a physical expression of your confidence in the MM&R organization.

We dedicate it, this day, to a greater measure of quality and service to the oil, paint, drug and allied industries.

MAGNUS, MABEE & REYNARD, INC.
QUALITY ESSENTIAL OILS, BALSAMS, PERFUME OILS & CONCENTRATED FLAVORS
SINCE 1895

Sharp & Dohme Earnings Down

Sharp & Dohme, Inc., manufacturer of pharmaceuticals at Philadelphia, with sales offices in New York and Baltimore, reports consolidated net profit of $73,935 for the first three months of 1938, equal to 76 cents a share on the $3.50 cumulative preferred stock. This compares with $539,485 for the corresponding period of 1937, when, in addition to allowing for the regular distribution on the preferred stock, 43 cents a share was left for the common stock.

Baltimore Drug Ex. to Picnic

The Baltimore Drug Exchange will hold its annual outing June 8 at the Hillendate Golf Club. The afternoon will be devoted to outdoor sports and bathing, and supper with a number of speeches and music is scheduled for the evening. Howard C. Lamkin is to be toastmaster, and the arrangements for the event are being made by the committee on entertainment of which J. F. Whitescarver is the chairman.

Trade Briefs

Virginia Pharmaceutical Association will hold its annual meeting in Roanoke, June 20 to 22.

H. L. Waldthausen, Box 1788, Phoenix, Ariz., has taken over under lease and option the Arizona Quicksilver Corporation's property in the Tonto Basin district, Arizona.

Baltimore veteran druggists and those of Washington will have a joint meeting May 25 in the Olvey inn on the road between the two cities. The meeting will be a family and friends affair.

Drug and cosmetic importers and dealers in Barbados have been listed by the Bureau of Foreign and Domestic Commerce, Washington, D. C. The lists are available to accredited American firms at 10 cents a copy.

Robert R. Wason, president of the Zonite Corp., returned from Europe May 17th aboard the Nieuw Amsterdam. He said, the foreign business of the corporation is satisfactory and possibilities of expansion have no limit.

Pfeifer Joins New England Sales Staff Titanium Pigment Corp.

Herman A. Pfeifer has joined the sales staff of the Titanium Pigment Corporation as New England representative with headquarters in Boston. For the past two and one-half years, Mr. Pfeifer was associated with the Bisbee Linseed Company as sales engineer in Philadelphia.

Mr. Pfeifer was formerly chief chemist for the Electro Technical Products Company, Nutley, N. J., and was at one time sales engineer for the American Cyanamid & Chemical Corporation. He is a graduate of Pratt Institute and did post-graduate work at Columbia University. He is a former president of the Technical Society of New Jersey and a member of the Philadelphia Paint & Varnish Production Club.

Essential Oils, Aromatic Chemicals

Peppermint Prices Advanced, Reflecting Recently Strengthened Primary Market—Citrous Oils Very Steady—Geranium Prices Hold—Sandalwood Competition Still Keen on Spot

Essential oils and aromatic chemicals went through a week of exceptionally moderate request last week. All reports indicated that buyers were trading close to actual requirements and, although volume made a fair total, it was admitted to have been substantially less than it would have been normally at this time of the year.

Competition for business was keen. The conservative volume of new business in the market over the past several weeks has brought out a persistent drive that at times has rendered numerous items subject to price shading within moderate limits. The tendency has been, and still was last week, to maintain open quotations but to meet reasonable price competition as it arises, treating each case on its own merits. However, it may be said that in the major number of transactions, the small quantities purchased were bought at full prices as openly quoted.

Peppermint showed a sharp reversal in form when prices on spot were advanced as, probably, the result of the recent development of strength in the primary market. Sellers at the source recently stopped accepting bids. Higher spot quotations were firm at the close.

Citrous oils were steady, remarkably so considering the volume of new orders reaching the market. Betterment of demand seemed likely to develop once seasonable weather shall have arrived; the Spring has been mainly cool thus far.

French oils seemed to be somewhat steadier. The exchange situation has become fairly stable and fluctuations in the value of the French franc have become small with prices being generally higher than the new and recently established par.

Competition brought about lower prices on coumarin and vanillin.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Peppermint, natural, 10c. per lb.
redistilled, 10c. per lb.

Reduced

Coumarin, 25c. per lb.
Vanillin, 25c. per lb.

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
70.3	70.1	73.2	81.6

Market news that may have developed after this report was sent to press will be found on page 4.

Essential Oils

Almond.—Sweet oil had a moderate movement but most of the sales were for prompt needs and but seldom covered requirements of the more distant future. Prices were very steady here, reflecting maintained values in foreign markets.

Anise.—Although demand was not very broad, it was more than sufficient to give support to the market and to keep prices on a steady basis. While available stocks were not excessive in size, they appeared ample to meet more than current buying.

Apricot.—Steady movement of small lots was reported and the general undertone of the market was very steady. Stocks were of fair size here and in the primary market and probable requirements of consumers were believed to be covered for the immediate future at least.

Bergamot.—A rather slow but steady market ruled in local circles and undertones were lacking in unsettlement on the spot. Most sellers reported well maintained prices and indicated that competition was without important effect on values at this time.

Birch Tar.—A few transactions confirmed prices fairly well and reports indicated that values were steady notwithstanding the absence of sustained demand for more than prompt needs of buyers.

Bois de Rose.—Trade was dull, but since prices were already on the low side the Cayenne article remained quotably unchanged and mainly steady. Brazilian material seemed to be reasonably firm and had a fair movement.

Cajeput. — Inquiry was routine and sales involved jobbing quantities most of the time. Prices were steady, showing no signs of an early change. Stocks on spot were in very fair shape.

Camphor. — The general undertone was steady. While demand was not large, it had a steady quality that operated in the direction of price stability within reasonable limits. Offerings fully covered present needs of consumers.

Capsicum (Oleoresin).—The raw material situation has become slightly easier, relieving the pressure on this oleoresin in some measure. Prices were steady to firm and were backed by a routine but also steady request.

Caraway. — Price stability continued, and the market as a whole was a very steady affair throughout the past week. Prices here were in line with replacement costs, which also seemed to be steady.

Cassia.—Reports indicated some shading of prices at times, but the general asking figure was still minimum at $1 per pound in most directions. Demand was sufficiently irregular to aggravate the apparently competitive position of the item.

Celery.—Price activity in the market for this article has stopped. Substantial reductions in quotations had been made in the recent past, but the declining market has been succeeded by one of more stability. The raw material situation was also steady.

Citronella. — It was still a buyers' market on this article and movement into consumption took place in a volume which tended to keep values favorable for those with firm orders in hand. Open quotations lacked change and were considered to be highly favorable.

Clove. — Makers kept steady prices and while new business was not very large, movement against contracts was fair and aided in the steady maintenance of first-hand quotations.

Dill. — A slightly more active movement came with expansion in operations of some buyers for consumption. Prices were on the low side, sufficiently so to make them reasonably steady. Hence, competition was moderate.

Eucalyptus. — Indications were that replacement prices quoted to some markets had come in lower and in view of the recently competitive spot market, values were not especially well maintained last week. They lacked quotable change, however.

Geranium. — The market was still competitive but to an extent less than had prevailed in the recent past. Declines in the recent past brought a very attractive price schedule to the market and for the most part sellers were not inclined to accept bids. Stocks were ample.

Ginger. — No further reductions in price took place. Notwithstanding the fact that the high duty on raw material stands an excellent chance of being removed, recent declines in oil prices appeared to have discounted that event substantially. Values held last week in a quiet market.

Juniper Tar. — The market was easier and some shading of prices was reported under competition. However, the foreign situation, so far as future supplies, remained to be clarified and it was by no means certain that any large increase in offerings would come in the nearby future.

Lavender. — Conditions still favored those buyers replacing in the primary

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

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COMPARE ours with any other lavender oils in the same price andester ranges and you will find that in addition to conforming in every respect to current U. S. P. standards, our oils possess appreciable superiority in strength and character of odor. If you use lavender, be sure to investigate these matchless oils.
For quotations, advise us quantity and type (ester content) of oil required
FRITZSCHE BROTHERS, Inc.
PORT AUTHORITY COMMERCE BLDG., 76 NINTH AVENUE, NEW YORK, N. Y.
BRANCH STOCKS
BOSTON CHICAGO LOS ANGELES ST. LOUIS TORONTO, CANADA MEXICO, D. F.
FACTORIES AT CLIFTON, N. J. AND SEILLANS (VAR) FRANCE

MYSORE GOVERNMENT SANDALWOOD OIL
Distilled at Linden, N. J. from selected Mysore Heartwood by Sole Distillers and Selling Agents
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ESSENTIAL OILS | NATURAL FLORAL PRODUCTS | AROMATIC CHEMICALS

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162-164 FRONT STREET NEW YORK CITY

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H. C. RYLAND, Inc.
161-3 Water St., New York

Buyers Prefer
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QUALITY AND PRICE
BOTH ARE ESSENTIAL TO FLAVOR AND EXTRACT JOBBERS
ORANGE OIL - LEMON OIL - GRAPEFRUIT OIL
LIME OIL - CITRUS JUICES and CONCENTRATES
Our Main Plant — Anaheim, California — in the heart of Orange County.
Samples and new quotations sent on request.
E. A. SILZLE CORPORATION
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Headquarters for Quality
Essential Oils
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DODGE & OLCOTT COMPANY
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market but the situation did not extend to the development of any lower spot quotations. Values have been already well revised downward and the trade hopes for a period of real stability. Demand was routine and conservative in size.

Lemon.—Prices were fairly stable. Replacement cost of good quality Italian oil was well maintained at the source and local quotations reflected reasonably the apparent stability abroad. California oil was very steady under the influence of a very good call that found prices highly favorable and offerings ample.

Lime.—Seasonable needs have not come to the market in any considerable increase but the more active season of the year was at hand and sellers as a whole looked forward to gains in volume of sales. Prices this year are low and more attractive than usual.

Orange.—Movement was fair to good, though buyers showed a disposition to trade often in small quantities rather than to cover future needs substantially at this time. Prices were steady in most respects and were apparently being well maintained in leading quarters.

Peppermint.—Spot prices have been advanced, the first move upward in many weeks and it came as the result of the recent stiffening of primary market holders who stopped accepting bids readily. Natural oil rose to $2.05 to $2.30 per pound and for the redistilled, $2.30 to $2.50 was asked according to seller. No substantial selling was noted here.

Wormseed.—Prices were steady; even the sales showed a tendency to lag, Stocks were of fair size, yet not excessive and in the absence of selling pressure, available oil was held in local circles.

Aromatic Chemicals

Benzaldehyde.—Steady prices, moderate demand, and little competition made the market position of this article last week.

Borneol.—Stocks were conservative and it would be difficult to supply a large buyer with prompt delivery material. Prices were very firm in the absence of any competition whatsoever.

Carvol.—Routine trading was reported last week. The call covered needs that were comparatively small and the total volume of transactions was inconsiderable. However, the market remained in well stabilized position.

Coumarin.—Competition brought about lower prices on this item, although not all prominent producers adopted the lower schedule that some of them put into force. The market ranged $2.75 to $3 per pound, basically, as to producer.

Cinnamic Aldehyde.—Inquiry was moderate on spot. Larger consumers were said to be well supplied with manufacturing stock and hence the bulk of demand came from the smaller buyers. Prices showed steadiness and stability.

Eucalyptol.—The raw material showed further signs of easiness and reports indicated that replacements were being offered many markets at lower cost. Eucalyptol remained steady under a demand made up mostly of small but urgent needs.

Geranyl Acetate.—Inquiry was irregular last week and new business failed to flourish. However, there was a fair movement in small lots and trade was sufficient in volume to keep quotations steady.

Hydroxycitronellal.—Competition was not very active on this market. Most holders maintained values and awaited a more active requirement to arise among buyers for consumption. The supply was ample.

Linalyl Acetate.—Some quarters reported more interest being shown by buyers of fairly substantial quantities and the market as a whole was said to have been more active and productive of firm undertones and prices.

Menthol.—The spot market was $2.95 to $3.05 per pound notwithstanding the fact that actual business was confined within narrow limits. Replacement cost has been such as to check continued declines in favor of buyers of natural material. Substantial unsold stocks were held in local quarters but the largest suppliers were not disposed to sacrifice price to build volume.

Menthyl Salicylate.—As the more active season of demand for suntan cream approaches, sellers of this item expect a gain in sales volume to develop. Prices were considered favorable to a satisfactory rise in sales.

Vanillin.—Vanillin from eugenol was down to $2.60 to $2.85 per pound according to producer; not all the leading makers adopted the lower schedule. The article made from guaiacol was down to $2.50 to $2.75, quotations being governed by the same conditions. Competition forced the development.

Lead Production Up 14 Percent in 1937

Production of refined lead from domestic ores increased 14 percent; apparent consumption of primary lead, not considering changes in producers' and consumers' stocks, rose 18 percent, and stocks of refined and antimonial lead declined from about 172,000 tons at the beginning of the year to less than 130,000 tons at the end, according to the Bureau of Mines.

Refined Primary U. S. Output

	Short tons 1937.	1936.
Desilvered lead	247,876	228,486
Soft lead	139,949	111,750
Desilvered soft lead	55,317	47,462
Totals	443,142	387,698
Foreign desilvered lead	24,175	11,458
Total refined primary lead	467,317	399,156
Imports*	4,903	2,590
Exports	20,091	18,314
Available for consumption.	452,129	383,432
Imports of lead in ore and matte	34,102	20,713
Imports of lead in bullion.	1,800	312
Remaining in warehouse, Dec. 31.—		
Lead in ore and matte	57,509	33,401
Lead in bullion, pigs, bars, etc	2,622	1,930

* Includes a small quantity, not separable, of "old, reclaimed, and scrap."

Trade Briefs

John A. Chew, chemical broker, this city, is planning to spend his Summer week-ends at Berryville, Md.

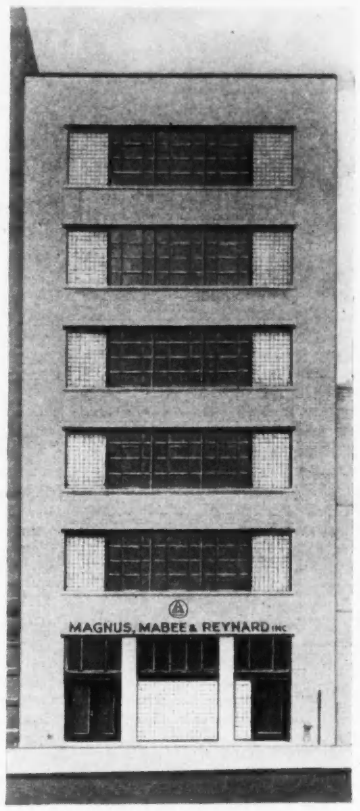
William G. Skelly, head of the Skelly Oil Company, Tulsa, Okla., will act as general chairman of the ninth annual convention of the Independent Petroleum Association of America, to be held in Tulsa October 19 to 21.

Frank G. Breyer, of Singmaster & Breyer, consultants, this city, will address the Baskerville Society of the College of the City of New York, May 25. Mr. Breyer's subject will be "Another Step Towards a Better Profession of Chemistry." The talk will be broadcast over radio station WNYC from 8:30 to 9 o'clock.

Magnus, Mabee & Reynard Occupies New Building

After five months of preparation, during which time a six-story building at 16 Desbrosses street was equipped with the latest in office, warehouse, and laboratory equipment, Magnus, Mabee & Reynard moved to their new location late last week and, beginning today, will conduct its business in essential oils, aromatic chemicals, compounds, and general raw materials for the perfume, cosmetic, and confectionery trade under conditions the most favorable in the history of the company.

The new home of M.M.&R. stands on a plot 185 by 37 feet, extending through the block from Desbrosses street to Watts street. It is a six-story building, facaded with glass brick front and back, of exceptionally strong and fireproof construction, including two interior fire-



proof staircases, and serviced by two elevators, one for freight and the other of automatic operation for the use of passengers.

Executive offices of the company occupy the entire second floor. A corkwood floor covering harmonizes with wood-paneled walls in the private office of P. C. Magnus, president of the company. Artistically finished quarters are provided for the accounting division of the organization, all equipped with the latest office labor and time saving devices. A feature on this floor is a retiring room for company officers, consisting of toilet facilities and a shower bath of the finest appointments.

The sixth floor houses the olive oil department as well as supplying storage space for packages of all sizes, kinds, and description. On the fifth floor is located the analytical and research laboratories, all newly equipped with the most modern and scientific apparatus needed property to determine the quality of products and to facilitate the search for new uses. On this floor, also, is located the company's manufacturing department with batteries of tanks, steam kettles and other paraphernalia. The tanks are made of stainless steel, and the equipment also includes tanks made of glass, stone and monel metal.

The small package, perfume, and flavor divisions are concentrated on the fourth floor, along the walls of which run four tier metal shelving, serviced by sliding ladders. On the third floor is the packing room where all orders are assembled and prepared for shipment to customers. Large stocks of finished products are stored here. From this room, drums and packing cases ready for shipment are dropped to the first floor by elevator. The receiving and shipping room is located on the Watts street end of the building and contains a recessed truck floor accommodating five trucks.

On the Desbrosses street end of the first floor are the quarters assigned to the salesmen, especially useful at the annual meeting of the sales force. Blackboard facilities are provided and the whole setup is designed to remove such activities from the executive offices. Here also is the addressograph department. The basement houses a special heating room in addition to a modern plant for heating the entire building.

The M.M.&R. management organization consists of P. C. Magnus, president; Joseph B. and Robert B. Magnus, vice-presidents; George H. McGlynn, treasurer; William F. Fischer, assistant treasurer and sales manager; A. H. Downey, assistant treasurer and technical director; M. S. Barker, J. W. Felton, jr., and Henry J. Becker, district sales managers, and T. B. Tribble, manager of the Chicago and middlewest territory.

T.G.A. to Build Shrine In Arizona to Cosmetics

An assortment of present-day perfumes, cosmetics, and other toilet accessories was sealed in a bronze casket and deposited in the corner-stone of the Cosmetics building being erected for the New York world's fair at the corner-stone laying ceremony May 12.

Among the manufacturing organizations represented by products in the assortment are Harriet Hubbard Ayer, Inc.; Caron Corporation; Guerlain, Inc.; Elizabeth Arden; Houbigant, Inc.; Lentheric, Inc.; Lucien Lelong, Inc.; Parfums Langyel, Ltd.; The Northam Warren Corporation; Helena Rubenstein; Chanel, Inc.; Bourjois, Inc.; Richard Hudnut; Pinaud, Inc.; Roger & Gallet, and Yardley & Co.

In addition to the toilet articles there was placed in the casket a brush, the back of which is fashioned of wood taken from the "Victory," flagship of Lord Nelson in the Battle of Trafalgar, contributed by G. B. Kent & Sons, Ltd., London; a powder puff two feet in diameter made especially for the occasion by the Hygienol Company, a specimen of a fair trade contract; membership lists of the Toilet Goods Association and the Perfumery Importers' Association; and copies of the *Druggists Circular* and other leading trade publications.

It is intended, upon the demolition of the Cosmetics building, at the close of the fair in 1940, to transfer this sealed casket to a monolithic monument, to be called the "The Shrine of American Beauty," located in the Santa Rita Mountains, eighteen miles south of Tucson, Arizona. The casket will be inscribed, before its being placed in the monolith, with instructions that it is not to be disturbed nor opened until April 30, 2939, one thousand years after the opening of the New York World's Fair, 1939. This preservation will reveal to the people of the thirtieth century the character and uses of the varied toilet preparations employed by the women of today.

Choice of Arizona as the site of the "shrine" came of the similarity of its climate to that of Egypt, where cosmetics were first used, and where after 4000 years they are now being unearthed in tombs along the Nile. The design of the monolith follows that of the pyramids of the Mayans of Central America. It will have a base 100 feet square and rise in a truncated pyramid to a height of 50 feet, and was designed by Pierre Bourdelle, French sculptor.

Officiating at the corner-stone ceremony were Herman L. Brooks, president of the Perfumery and Cosmetics Exhibits, Inc. and of the Toilet Goods Association, and general manager of Coty, Inc.; Grover A. Whalen, president of the fair; Charles S. Welch, executive secretary of the Toilet Goods Association; Paul F. Vallee, secretary of Perfumery and Cosmetics Exhibits, Inc.; and H. Gregory Thomas, managing director of Perfumery and Cosmetics Exhibits, Inc., and chairman of the Board of Standards of the Toilet Goods Association.

The Cosmetics building will have an exhibit space of 14,000 square feet, in a design suggestive of a colorful container. It is to be constructed chiefly of glass.

Mrs. A. Felix du Pont, wife of A. Felix du Pont, of E. I. du Pont de Nemours & Co., Wilmington, Del., was reported recuperating in a Wilmington hospital after undergoing an operation.

John C. Shroder, president of the East Texas Petroleum Association, announced that plans for a suit to restrain the Railroad Commission from enforcing its recent two-day-a-week shutdown order for all oil wells in Texas have been abandoned.

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Petroleum Solvents, Lubricants, Fuels

One Grade of Aromatic Naphtha Reduced in Price—Petrolatums Lower—Industrial Products Quiet—Crude Oil Production Decreases Further

The most prominent developments in the market for petroleum products used as industrial raw materials were price reductions in petrolatum and in one grade of the aromatic high-solvency naphthas. The reduction in No. 8 aromatic naphtha took place on Tuesday, having been prefaced by a sharp cut in the prices for toluol which became effective on the preceding day. Other grades of high-solvency naphthas were unchanged in price.

The price cut in white and amber petrolatums was purely competitive and came as a surprise move. Already low and hardly profitable to refine, last week's cut brought the market to its lowest level within recent memory.

Other industrial raw materials derived from petrolatum passed a quiet and uneventful week. The demands from the consuming manufacturers were very spotty and the week's aggregate was no larger than that of recent weeks.

Basically, the petroleum market was a little more cheering. The prompt action taken by Texas a week ago spread to other states and by last week eight states were linked in the move to cut the production of oil. The states of Texas, Oklahoma, Kansas, Arkansas, New Mexico, Illinois and California cooperated in the move which should lower the daily average output by approximately 400,000 barrels.

The latest A.P.I. report on crude production was that for the week ended May 14 when the daily average output was 3,362,300 barrels, a reduction of 20,050 barrels from the preceding week's average. The average for four weeks ended May 14 was 3,395,200 barrels and the average at this time a year ago was 3,551,950 barrels. Crude runs to stills were reported to the A.P.I. by companies controlling 89 percent of the nation's refinery capacity as having averaged 2,897,000 barrels for 78.3 percent of operation. An additional 273,000 barrels were estimated to have been sent to stills unreported for a total estimated average of 3,170,000 barrels daily against 3,084,000 barrels in the preceding week and 3,240,000 barrels at this time a year ago. Crude oil stocks May 7 were 305,748,000 barrels against 307,147,000 barrels April 30, according to the Bureau of Mines.

Solvents and Diluents

The price of one grade of the aromatic solvents was lowered last week but the prices for v.m.&p. naphthas, petroleum thinners and other solvents in this group were not moved last week, following the price cut in the coal tar solvents which took place at the week's outset. The No. 8 solvent in the aromatic group was the only change reported during the week.

Aromatic Solvents.—The tankcar price for No. 8 solvent was reduced 1c. per gallon on Tuesday of last week and the price was now 14c. per gallon, f.o.b. Paulsboro, N. J. Prices for the No. 30 and No. 40 solvents were unchanged at 16c. and 14½c. per gallon respectively in tankcar lots, f.o.b. Paulsboro. There were no changes made in prices for other high-solvency aromatics last week.

Petroleum Thinners.—The price situation was undisturbed last week. Marketers in the East did not change their postings albeit some observers had expected lower prices to follow the reduction made in the price of coal tar solvents. The demands of the market here were light. Midcontinent refinery markets were unchanged.

Rubber Solvents.—The tire industry's demands continued small. The tankcar movement into Akron has been light for some months. Prices for tankcar lots at the Group 3 refinery points were unchanged.

V. M. & P. Naphthas.—There were no changes in price reported last week. Cut in prices for coal tar naphthas did not have any reflection here and the marketers held their postings without change. There was not much life on the demand side of the market.

Chicago, May 19.—Buying of various grades of petroleum solvents and diluents has been holding up fairly well recently. The price structure has held at levels practically unchanged from those which were established some time ago. Some of the paint trade buying is reported quite good. Cleaners' material is attracting quite a bit of interest at this time. Ruling prices in tankcar lots except as noted are (Tankcar lots, f.o.b. Group 3, Oklahoma):—Blending naphtha, 4¼c. to 4½c. per gallon; cleaners' naphtha, 6⅜c. to 6½c., tankcar; 17.5c., tankwagon; petroleum spirits, 5⅜c. to 5½c., tankcar; 16.5c., tankwagon; lacquer diluent, 7⅜c. to 7½c.; rubber solvent, 6⅜c. to 6½c.; Stoddard solvent, 5⅞c. to 6c., tankcar; V.M.&P. naphtha, 6⅜c. to 6½c., tankcar; 16.5c., tankwagon.

Tulsa, May 19.—There was slightly more interest in the rubber solvents this week with prices unchanged. Shipments were broader. Quotations for v.m.&p. Stoddard and cleaners' materials were unchanged.

Lighter Fractions

Liquefied gases and light hydrocarbons in this division of the market spent a quiet and routine week. The prices for butanes, hexanes and other materials have not been changed for some time and the demands of the industrial users of the materials have been light.

Butanes.—The producers in the Group 3 area continued to quote the market at the long-standing basis of 3¾c. per gallon for tankcar lots, f.o.b. Group 3.

Hexanes.—The normal grade continued at 10½c. per gallon in tankcar lots, while drum cars were priced at 12½c. per gallon, both f.o.b. Group 3. The laboratory grade remained at 14c. per gallon in tankcar quantities, also f.o.b. Group 3.

Octanes.—This mixture has not been changed in price for some time. The most recent reports from the producers indicated that the demands from the consumers were light.

Petrolatums and Waxes

White Mineral Oils.—The market's position has not shown much of a change during recent weeks. The orders for deliveries against contracts have been modest in size, while the volume of open order business was small. The price situation was a steady one.

Paraffin Waxes.—The scale wax market seemed to be holding a fairly comfortable position last week. There was not much business done with the domestic buyers, but the export interests were responsible for a fair inquiry. The price situation continued, with 122-124 and 124-126 A.m.p. posted at 1.85c. per pound. An occasional car under this price was reported offering, but the lower-priced offerings were not so frequent as they were two weeks ago. The fully refined waxes were in a firm position.

CHICAGO, May 20.—The refined wax market was reported holding its own moderately well. Orders from various classes of buyers have been fairly good, and stocks do not appear to be disturbing the general market situation. Movement of material out on orders is reported steady. Ruling prices are:—122-124, 4.45c. to 4.55c. per pound; 125-127, 4.55c. to 4.65c.; 127-129, 4.65c. to 4.75c.; 130-132, bulk or bag, 5.10c. to 5.20c.; 132-134, bulk or bag, 5.35c. to 5.45c.

TULSA, May 19.—Additional inquiries from the domestic and export buyers were received throughout the Midcontinent presaging a more active market. However, no change in price developed with the 124-26 American crude quoted at 1.65c. to 1.90c. per pound for export and 1.80c. to 2.25c. per pound for domestic shipments.

Petrolatum.—White and amber grades were lowered in price. White grades went off ¼c. per pound in car lot quantities, but there were no changes made last week in the l.c.l. prices. Snow white in car lots was now 6¼c. per pound; cream white in car lots 4¼c. per pound, and lily white in car lots 5¼c. per pound. The reduction in the ambers ranged from ⅛c. to ¼c. per pound, as ordinary amber was quoted in car lots at 2⅝c. to 2⅞c. per pound, and the extra amber was quoted at 2⅞c. to 3c. per pound. There were no changes in l.c.l. prices of the amber grades.

Fuels and Lubricants

The Eastern market for refined oils went through a routine week. The most encouraging development of the period was the weekly A.P.I. report on gasoline stocks in storage, which showed a further drop to 88,647,000 barrels for the week ended May 14. An outbreak of retail price cutting in New York City was a local development. The fuel oils were weak and there were reports of shaded prices.

Market Conditions

Gasoline.—The position of the local refinery market did not show much of a change during the week. U. S. motor, 65 octane, continued at 7c. per gallon as the posted market price, with 6½c. per gallon still representative of the "going" position. Jobber purchases were not more than moderately active. Some price cutting broke out in the retail market in the metropolitan New York area. The statistical position of the national market was improved as the stocks in storage continued to recede. The latest figures available were those for the week ended May 14, which showed stocks of 88,647,000 barrels, against 89,464,000 barrels in the preceding week and 80,277,000 barrels at that time a year ago. Export gasoline prices continued without change. Under the provisions of a proposal introduced in the New York State constitutional convention, the proceeds of motor fuel taxes would be equitably apportioned and distributed to political subdivisions of the State on the basis of the population that each subdivision bears to the entire population of the State.

Kerosene.—There was an open weak in the market last week, as some of the sellers were reported to be taking business at 5¼c. per gallon for tankcar lots. The posted position of the local tankcar market for 41-43 water white material was 5¾c. per gallon. The demands continued light.

Fuel and Gas Oils.—There were reports that tankcars of No. 2, 3 and 4 fuels could be bought in the local market at 4¼c. per gallon. The supply situation at the local plants was top-heavy. The stocks of residual fuel oil reported by the A. P. I. for the week ended May 14 were 107,976,000 barrels, against 108,077,000 barrels in the preceding week and 78,149,000 barrels at this time a year ago.

Lubricating Oils.—While there were no open changes reported in the prices quoted for Pennsylvania oils, the market had a distinctly weak character last week. The 17c. per gallon price for bright stock, including tax, was not a very strong figure. Neutrals and cylinder oils were in very spotty request last week.

Markets at Other Centers

Tulsa, May 19.—Disappearance of excess well production has brought a better tone to all sections of the oil markets of the Midcontinent field this week. While again no changes in prices have been made, there is quite an improvement in sentiment. There is promise now that excessive inventories which have threatened the stability of prices since the turn of the year, will be worked down to normal sometime during the season of heavy consumption and that improvement in prices of gasoline may develop.

It is believed in well informed quarters that the quick response in checking high crude production by state regulatory commissions will avert the spreading of lower crude prices. However, the possibility of some revision in the heavy crudes may still be made in view of the lower quotations for fuel oils that have been posted during the past few weeks.

An indication of the change in the crude oil situation is found in the solicitation by two buyers for connections to wells in the East Texas fields. One of the large purchasers of crude also received inquiries for deliveries of crude for export this week. While there has been some movement of crude for export, this week was the first time that inquiries increased in several months.

GASOLINE.—U. S. motor, low octane, generally quoted at 4¼c. per gallon with discount for resale and concessions for sulphur content material. The 63-66 grade continues at 4⅜c. per gallon. The 67-69 octane material is still generally quoted at 4⅝c., while the 70-72 is 4⅞c. per gallon. The Q product is 5c. to 5⅛c. per gallon.

NATURAL GASOLINE.—The 26-70 material is 2c. in Texas and 2⅛c. per gallon in Oklahoma, while the 22-pound is 2.20c. per gallon; the 18-pound at 2.40c. per gallon and 14-pound 2.80c. per gallon. The 12-pound material of 350 e.p. with 67 octane

Outputs and Quotas

A comparison of Bureau of Mines calculations for May production, State allowable quotas where they exist and the American Petroleum Institute's estimate of crude production for the week ended May 14 follows:

	B. of M. Dept. of Int. calculations.	State allowable.	Estimated output.
Oklahoma ..	510,300	*422,742	484,650
Kansas	168,700	†160,000	174,450
Texas 1	,322,500	‡1,543,268	1,345,450
Louisiana ..	243,200	251,450	261,700
Arkansas ...	44,500	.....	42,550
Eastern	139,800	.....	140,600
Michigan ...	52,600	.....	55,300
Wyoming ...	47,400	.....	51,850
Montana ...	12,600	.....	13,000
Colorado ...	4,800	.....	3,650
New Mexico.	103,900	103,900	103,700
California ..	667,800	§620,000	685,400
Totals 3	,318,100	.....	3,362,300

* This is the daily allowable for May based upon 460,000 barrels daily for the first 10 days and 405,000 barrels daily for the remaining 21 days of the month.
† April allowable of 173,000 barrels reduced retroactive to May 1.
‡ Effective May 1. Sunday shut-downs continued as previously with Saturday shut-downs ordered for May 14, 21, and 28.
§ Recommendation of Central Committee of California Oil Producers.

The State of the Petroleum Market

There were no changes in crude oil prices last week. Gasoline prices were unchanged at the refineries.

	May 20	May 13	Last Year
Crude petroleum prices at well (average for ten fields) per barrel.....	$1.305	$1.305	$1.376
Gasoline prices at refineries (at four refining centers) per gallon	.048125	.048125	.054375

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

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Petroleum Production—Motor Fuel Stocks

	Barrels	
	1938 Jan. 1-May 21	1937 Jan. 1-May 21
Commercial crude oil production	476,265,000	470,205,000
	Week ended May 21, 1938	Week ended May 22, 1937
Daily average production	3,339,700	3,538,200
	Week ended May 14, 1938	Week ended May 7, 1938
Estimated motor fuel stock total	88,647,000	89,464,000
Estimated finished motor fuel stock at refineries	55,343,000	56,420,000

rating sold at 2.9c. a gallon this week in Oklahoma.

KEROSENE.—The 41-43 grade is 4c. to 4⅜c. a gallon, while the 42-44 is 4⅛c. to 4½c. per gallon.

DISTILLATES.—The 38-40 is quoted 3¾c. to 3⅞c. per gallon, while the 36-38 continues at 3⅝c. per gallon and the 32-36 is 3¼c. to 3⅜c. per gallon.

FUEL OILS.—The residuals have the wide range of 37½c. to 65c. per barrel depending on the grade from 16 gravity down. The higher grades of 24-28 at $1.05 for the low cold test and 90c. for the high cold test are unchanged.

LUBRICANTS.—Demand appears to be broadening although very little change has developed in the tone as considerable material is still being offered at concessions. The larger refiners are maintaining quotations.

Chicago, May 19.—Although prices prevailing in the tankcar gasoline market now are around lowest in some time, the tone of the market is steadier than in weeks. Offerings have thinned out and there is a tendency on the part of both buyers and sellers to operate along lines which suggest relaxation of pressure against the market. With the feeling that a general crude cut has been at least temporarily shoved into the background, and with production lower, feeling seems healthier. Weather has continued to be against large-scale gasoline consumption. Kerosene has been slow, with prices unchanged. Tractor fuels are moving rather well. The light heating oils are in usual season-end slackness. Heavy fuel oils remain extremely weak. Lubricants are quiet.

GASOLINE.—Low octane motor, 4¼c. to 4½c. per gallon; 63-66 octane, 4½c. to 4¾c.; 67-69 octane, 4¾c. to 5c.; 70-72 octane regular, 5c. to 5¼c.; 60-62, 400, 4¼c. to 4½c.; 64-66, 375, 4¾c. to 5c.; 68-70, 360, 5c. to 5¼c.

KEROSENE.—42-44, water white, 4⅜c. to 4⅝c. per gallon; 41-43, water white, 4⅛c. to 4¼c.

FURNACE OILS.—Range oil, 3⅞c. to 4⅛c. per gallon; No. 1 white, 3¾c. to 4c.; No. 1 straw, 3⅝c. to 3⅞c.; No. 2 straw, 3½c. to 3¾c.; No. 2 dark, 3¼c. to 3½c.; No. 3, 3¼c. to 3⅜c.; 32-36, dark, industrial gas oil, 2⅝c. to 2⅞c.

FUEL OILS.—No. 4, $1 to $1.10 per barrel; No. 5, 70c. to 80c.; No. 6, 60c. to 70c.

New Orleans, May 17.—A ⅛c. decrease was noted on all grades of gasoline during the past week, while prices on other commodities remained stationary. Foreign inquiries and exports continued good. U. S. motor gasoline was quoted at 5⅝c.; U. S. motor below 62 octane was quoted at 5⅝c.; 63-67 octane at 5⅞c. and 68-70 octane at 6¼c.—all quotations being on a per gallon basis at refinery.

The price of kerosene remained steady at 7½c. per gallon at refinery.

Bunker C fuel oil continued to be quoted at 80c. per barrel at terminal and 85c. per barrel delivered alongside, while industrial plants in this vicinity were quoted at $1.46 per barrel, delivered.

Naval Oil Reserve Plan Limited to California Coast

OPD Washington Bureau
May 17, 1938

Submerged oil lands off California would be the only territory affected by the senate joint resolution to give the Federal government jurisdiction of submerged lands, in the form in which the measure was approved today by the house judiciary committee.

As passed by the senate the resolution (S.J.Res. 208) would apply to submerged lands off the coasts of all states, but the house committee amended it to make its provisions applicable to California only. The measure, as now amended, would set up a naval petroleum reserve on the California lands, subject to valid prior claims.

Sir Meek Returning to London

Sir David Meek, Indian Trade Commissioner, Calcutta, India, sailed May 21 for London on the steamship Lancaster. Sir David was in this country for the purpose of conferring with the United States Shellac Importers' Association with regard to the shellac research conducted at the Polytechnic Institute of Brooklyn. The research at the Institute is conducted under the joint auspices of the Indian Lac Cess Committee and the association of shellac importers in this country.

Cottonseed Ass'n Favors Broadening of Sampling

—*Continued from page 5*

Mississippi and Tennessee. Those Alabama mills, he said, secured licenses for their samplers, and submitted samples of seed purchased in Mississippi and Tennessee, for official grading. This season, he added, the department plans to cover Alabama. A number of the men in Georgia have already promised me to cooperate with us when buying in Alabama, he concluded.

O. E. Jones, vice-president of Swift & Co., said that the products of the cottonseed mills sell for about $200,000,000 each year. They are not—as some so-called authorities would have us believe—adulterants. They are, he said, supplements, or component parts, of many foods. Without the 1½ billion pounds of cottonseed oil we produce he pointed out that American people would have to import 500 shiploads of foreign oils to meet their consumption requirements. Domestic production of oil, putting it another way, will fill 25,000 railroad tank cars, he said, or enough to supply every family in the United States with one pound of shortening a week. He explained that without the 2,150,000 tons of cake and meal and 1,200,000 pounds of hulls we produce our livestock would be hard pressed for adequate sources of both protein concentrate and wholesome roughage. The million bales of linters that we cut from cottonseed are the mainstay of the acetate-rayon industry, and are important raw materials for many other industries as well, he added.

A paper by Dr. H. G. Knight, chief of the Bureau of Chemistry and soils of the Department of Agriculture, Washington, on "What's Ahead in the Cottonseed Industry?" was read by Dr. Henry Stevens of the chemistry bureau. Dr. Knight reported that statistics indicate that hull fiber could furnish a very important proportion of the present and future needs for alpha cellulose. Making hull finer available, his report said, would leave a formidable tonnage of hull bran. He said that this product deserves intensive research. He added that the research committee of the association has recognized this need and assigned the hull bran problem to the association's fellowship in the bureau of chemistry and soils.

N. C. Williamson, president of the American Cotton Co-operative Association, said that to increase the use of cotton and cottonseed products, South must wrap cotton in cotton bagging; ship meal, hulls and fertilizers of all kinds in cotton bags. He said that taxing the products made of cottonseed oil under the guise of raising revenue or for any other purpose is un-American, and smacks of the spirit of boycotting the products of certain American farmers.

Honorary members who were nominated because of their devotion to the industry and their indomitable courage and loyalty to the association are: Wright Youtsey, Cincinnati, Ohio; Alfred G. Kahn, Little Rock, Ark.; George C. Hauser, New Orleans, La.; V. H. Dubose, Memphis, Tenn., and Ben F. Taylor, Columbia, S. C.

W. F. Pendleton of Dallas, Texas, who constitutes an able membership committee of one, the smallest committee in the association, was chosen to present J. H. Petty, retiring president, with a handsome silver service as a gift of the association.

An annual handicap golf tournament was held at the New Orleans Country Club Monday afternoon; 101 trophies were donated by friends of the association and presented to the numerous winners. The Old Guard met at Galatoire's on Monday evening, while the annual banquet and dance was held in the Grand Ball Room of the Roosevelt Hotel on Tuesday evening.

Du Pont to Exhibit At N.Y. World's Fair

Plans for an exposition building at the New York world's fair, to house a series of dramatized exhibits depicting the social contributions of the modern chemical industry were announced today by E. I. du Pont de Nemours & Co.

The structure will have as its central feature a huge semi-cylindrical shell, seventy feet high, decorated with one of the largest mural paintings ever executed. The shell wall partially encloses a court affording entrance to the building, centering about a 100-foot tower typifying the spirit of chemical research.

The mural will be a symbolic one, portraying the significance of the chemist in industry, transportation, agriculture, mining and other fields. Its figures will be painted on an heroic scale, some being over thirty feet in height. The tower, a formalized representation of a chemical apparatus, will make use of color, active liquids in circulation and changing lights to achieve the spectacular effect sought.

Designed along strictly functional lines, the building itself will be finished in stucco, painted white, with blue walls at the rear and sides. It is also semi-circular in shape, with set-backs accentuating the plan. Foundation work will start in the spring, it is expected, with completion next fall, some months before the opening of the fair on April 30, 1939. All over cost of the exhibit is estimated at $500,000.

The du Pont exhibit will be called "The Wonder World of Chemistry." Inside the building, visitors will follow a long circular corridor designed to carry out the atmosphere of a laboratory. Chemical products and processes will be displayed here, and explained by commentators. A number of animated displays showing actual chemical processes will be shown. The hall leads ultimately to a large central room where the theme of the exhibit will be summed up in terms of the practical application of the industry in influencing style, beauty, economics, the home, health, safety and other phases of modern life.

The entire building will be air-conditioned. An office and conference room are located on the second floor. Walter Dorwin Teague is the designer, with Robert J. Harper associate and A. M. Erickson, engineer.

Paint Production Federation Contest Closes June 1, 1939

Papers submitted in the contest sponsored by the Federation of Paint and Varnish Production Clubs, which is open to undergraduate students of any college, university or technical school in the United States, Canada or England must be in the hands of Kenneth J. Howe, 2201 New York Avenue, N. W., Washington, not later than June 1, 1939, and not June 1, 1938, as stated in the REPORTER issue of May 9. The papers may be on either practical problems or research problems, relating to paint and varnish subjects.

Samples.—Exporters should note that sample merchandise for the Union of South Africa must have full and correct domestic value and selling price to importers shown on the invoice.

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Fertilizer Materials

Fill-In and Dressing Purchases Light—Chesapeake Menhaden Futures Break—All Domestic Potash Suppliers Follow Price and Discounts Named by Importers

There was not much fill-in business being done by the suppliers of fertilizer materials. Dressing materials moved well in spots, but the purchase of these materials in the market as a whole was not active. Convention time is two weeks off, and operators in the market do not expect much in the interim.

Forward bookings have been small. Because of stock carry-over and an uncertain business outlook, buyers were not anxious to commit themselves ahead and, in the case of some materials, particularly the organics, the sellers were not very anxious to offer ahead at the low prices prevalent today. Chesapeake Bay fishermen accepted a lower price on bookings of menhaden scrap futures last week. The quantity booked at the reduced figure was not definitely known in local market circles, but it was believed to have been less than 1,000 tons.

The domestic potash producers have followed the unchanged price and discount offering for the 1938-1939 season named by importers a week ago. The bulk of the ordering under new contracts is not expected until next month.

Mineral ammoniates gave a perfunctory performance during the week. Resale sulphate of ammonia was still available at certain ports, but the buyers were not giving it much attention.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

Blood, dom., Chicago, 25c. per unit-ton.
import, 10c. per unit-ton.
Bone, all grades, Chicago, $1 per ton.
Fish scrap, dom., menhaden futures, 25c. per unit-ton.
import, Japanese sardine, 50c. to $1 per ton.
Tankage, dom., Chicago, fert. grade, 10c. per unit-ton.
feeding grade, 25c. per unit-ton.
import., 10c. per unit-ton.

Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
66.7	66.7	66.7	64.0

Market news that may have developed after this report was sent to press will be found on page 4.

Ammoniates

Nitrate of Soda.—There was a modest movement of material into consumption last week. Delivery orders in certain sections were coming in heavier than in other areas. There has not been much top-dressing demand as yet, and the total tonnage of nitrate moved into consumption this Spring was running measurably behind the volume of last Spring. Pricewise, the market continued steady.

Sulphate of Ammonia.—There was not much movement in the market, and even the resale offerings at "under-the-market" prices were not attracting buyers. The resalt market situation was a sectional affair, with fair-sized offerings reported at some ports and practically none at others. The market price at first hands was $29.50 per ton for bulk stuff, and the resellers were offering anywhere from 50c. to $1 per ton under this price. Last week's steel mill operations were reported as having been smaller than the mid-April operations and only about one-third of what they were at this time a year ago.

Dried Blood.—Price easiness continued in the market last week. The New York price remained at $2.50 per unit, but the Chicago market moved down to $2.35 per unit, against $2.60 per unit named recently. South American was offered here at $2.90 per unit, a reduction of 10c. from the nominal price that prevailed here in recent weeks.

Fish Scrap.—The market for Chesapeake menhaden futures broke early last week, when the fishermen accepted bids of $2.75 and 10c. per unit-ton for unground, when-and-if-made, basis fish factory. This was 25c. under the season's opening price. Local interests were not definitely informed as to how much material was booked at the $2.75 and 10c. basis. The meal price of $50 at Baltimore was considered nominal and perhaps better could be done, in view of the drop in unground scrap futures last week. Acid scrap at East Coast producing points held at $2.50 and 50c. per unit-ton, f.o.b. factories. Japanese sardine meal was a very quiet commodity. Offering prices for shipment from the Orient were cheaper last week at $44 per ton, while spot and material afloat dropped from $44 per ton to the basis of $43 per ton, c.i.f. ports.

Nitrogenous Material.—Producers report that there is no buying whatsoever and no interest in buying. Material was being offered from abroad at $2.35 to $2.40 per unit with no takers. The nominal price at Chemical was $2 per unit but this was a purely nominal figure. As reported a week ago, the Carrollville basis was $2.10 per unit for spot shipment and $2.20 per unit for forward position, basis Carrollville.

Tankage.—Imported material was offered for shipment from abroad at $2.90 and 10c. per unit-ton, a reduction of 10c. from a week ago. There was no buying response to the lower price. The Chicago markets were also cheaper, with fertilizer grade material offering at $2.25 and 10c. per unit-ton, a reduction of 10c. from the preceding week's price, and feeding grade offered at $2.25 to $2.35 and 10c. per unit-ton, against earlier quotations of $2.50 and 10c. per unit-ton.

Potashes

All of the domestic producers of potash salts have followed the unchanged price and discount basis initiated by the importers a week ago. The domestic factors posted muriate at 55½c. per unit of K_2O and manure salts at 58½c. per unit of K_2O, subject to discounts of 12 percent, and 5 percent, for specified early purchase and delivery. There was not much of an early buying response to the extension of last season's prices and discounts and the sellers had not expected much buying activity right away. Most of the ordering will probably take place next month. Of course, many buyers of potash have a heavy carry-over of stocks from the 1937-1938 season and the tonnage to be booked under the maximum discounts was not expected to be as large as last year.

The discounts are as follows:—Orders booked prior to July 1 for June delivery or delivery in approximately equal monthly tonnages from July through December, 12 percent discount. Orders placed after July 1 and prior to October 1 for spot delivery or for delivery in approximately equal monthly tonnages through December, 5 percent discount. List prices will prevail on orders placed after October 1.

Phosphates

The offerings of bone products were still lacking in the support of the buyers last week and the prices quoted for domestic bone products in Chicago were lowered last week, following the recent decline of values for foreign materials. Superphosphate was a quiet item and the manufacturers were not offering new contracts as yet.

Bone Materials.—Prices in the Chicago market were reduced $1 per ton last week. Raw 4½ & 50 was quoted at $25 to $27 per ton by the Chicago holders; 3 & 50 meal was offering at $16 to $18 per ton; and 1¼ and 60 steamed was quoted at $15 to $17 per ton. There were no further changes in the prices for foreign bone last week.

Superphosphate.—The market was quiet and unchanged in price at $8 per ton for run of pile, basis 16 percent, and $8.50 per ton for guaranteed 16 percent material, in bulk, basis Baltimore.

Sulphur and Pyrites

As reported a week ago, the movement of sulphur to domestic buyers continued light. Acid manufacturers purchases have been spotty and as reported here previously, some of the re-ordering that should be in the market around this time of the year is not likely to reach the sources of supply until July or August because of the carry-over of supplies in the hands of some buyers from the stocks purchased last Fall. There was no word from the Louisiana legislature on the sulphur tax situation last week.

Markets at Other Centers

Atlanta, May 19.—The most active movement among fertilizer materials in the South is that of nitrate of soda. Sulphate of ammonia was less active than nitrate.

Mixed goods are reported moving in fair volume to the farm.

A drought in the coastal plain is holding crops back and nitrogenous top dressings are sought to aid the backward crops. In the Piedmont area, where the climate is more favorable for the time, planting is in progress.

Quotations of this market were as follows:—

SUPERPHOSPHATE.—$9.60 per ton, interior producing points.

NITRATE OF SODA.—$27 per ton, bulk, port basis.

SULPHATE OF AMMONIA.—$28.50 to $29.50 per ton, port basis.

COTTONSEED MEAL.—7 percent grade, $23 to $24 per ton, interior mills.

TANKAGE.—$2.40 and 10c. per unit, Chicago basis; foreign, $3.15 and 10c., ports.

BONE.—3 and 50 at $16 to $18 per ton, basis Chicago.

FISH.—Acidulated scrap, $2.50 and 50, coastal points.

Baltimore, May 19.—Like preceding periods, last week proved very quiet in the market for crude fertilizer materials. Prices follow:—

FISH SCRAP.—Unground menhaden scrap was booked on a when-and-if-made basis at $2.75 and 10c. per unit-ton. This represents a decline of 25c. per unit-ton. All of the season's production of herring scrap has been sold at $3.50 and 10c. per unit-ton, the production being around 500 tons, which is about the average. The menhaden fishing down South is reported fair.

TANKAGE.—$2.60 and 10c. per unit-ton for ground, and unground at $2.40 and 10c. per unit-ton.

BLOOD.—$2.60 per unit-ton, c.a.f. basis Baltimore.

POTASH.—The domestic producers of this material have followed the foreign sellers prices.

BONE.—$19.50 per ton for 1 and 90; $22 per ton for 3 and 50 ground steamed, and $25 per ton for 4½ and 40 ground raw stocks.

Chicago, May 19.—Marked irregularity continues in various aspects of the fertilizer materials market. Buying has shown no great improvement in any section of the market lately. With sellers asking for business here and there with more insistence, prices have eased off a bit. Most buyers continue to make small commitments. Blood is in limited call, with a few fair-sized deals reported. Tankage movement shows little change at this time. Bone materials have remained quiet and dull, with buyers mostly cautious and with no special feature.

BLOOD.—Principal grade, $2.40 to $2.50 per unit of ammonia.

TANKAGE.—High grade, ground, $2.25 to $2.50 and 10c.; low grade, $15 to $16; hoof meal, $2.50 to $2.75; liquid sticks, $2 to $2.25.

BONE MATERIALS.—Ground, steamed bone, 1¼ and 60 percent, $15 to $17; 3 and 50 percent, $16 to $18; 4½ and 50 percent, $25 to $27; grinding hoofs, pigs' toes and waste horn materials, $32.50 to $40, mostly

—*Continued on page* 56

C.W. Miller Loses Davison Ouster Suit

Baltimore, May 18, 1938

Terminating litigation that had been pending for five years, Judge D. Lindley Sloan, in the Maryland Court of Appeals, May 17, decided adversely to C. Wilbur Miller, former president of the Davison Chemical Company, Baltimore, in his action for $5,000,000 damages for alleged conspiracy to oust him as controlling executive of the company and of the Silica Gel Corporation, a subsidiary.

The original action named ten individual defendants and four corporations. These, Mr. Miller charged, had "wrongfully and unlawfully conspired, each with the other, to destroy, wreck, ruin, and impoverish the plaintiff financially, and the plaintiff's financial standing and status, his reputation for ability and his credit in the financial world; to cause him to lose his fortune, estate, and property in order that they might eliminate and destroy him as a controlling executive and managing president and director of the Davison Chemical Company and the Silica Gel Corporation, and wreck both corporations with a view, object and purpose of acquiring them or a controlling and dominating interest in them for the Rio Tinto Company."

Some of the defendants had not been summoned in the action; others had moved to quash alleged service of process; four were left—James Bruce, Richard M. Preston, C. Ridgley Sappington, and Henry E. Treide—in having sustained without leave to amend in the Baltimore Superior Court by Judge Edwin T. Dickerson, demurrers to Mr. Miller's allegations. These were the appellees in the action in the State's highest court, where Judge Sloan, affirming the action of the superior court, held:—

The plaintiff has not alleged any acts charged to these defendants, leading to the failures of the Davison Chemical Company, the Silica Gel Corporation, and other associated corporations, which were unlawful. What they did may have contributed to the failures, but we do not find that any of them were not acting within their rights. The effect of all that the plaintiff relates in his declaration may have been as disastrous as he says; but, if so, his wrongs, if any, are those of a stockholder, and can only be enforced through a receiver, or, if he refuses to act, then by a stockholder for the benefit of all.

Shark Oil Factory To Be Erected in Scotland

London, May 6, 1938

The Argyleshire public health committee has unanimously decided to recommend that permission should be given for the erection of a shark oil factory at Carradale, Scotland. It is intended that an experimental factory should first be built for the extraction of oil from shark livers and, if this plant is successful, extend it for the treatment of the flesh and the tanning of the skins. Herring fishing boats will be converted for the purpose of harpooning the sharks.

DOMESTIC
SULPHATE OF AMMONIA
AND AMMONIA LIQUOR
THE Barrett COMPANY — 40 RECTOR STREET, NEW YORK

CRUDE SULPHUR
99½% PURE
Free From
ARSENIC, SELENIUM AND TELLURIUM
TEXAS GULF SULPHUR COMPANY
INCORPORATED
75 East 45th St., New York City
Deposits and Plants Newgulf and Long Point, Texas

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

Oils, Fats and Waxes

Fish Oils

—*Continued from page* 39

the opinion of a local Commission authority.

Baltimore, May 18.—Another week has passed without any trading in menhaden oil, while the time for the opening of the fishing season down the lower Chesapeake Bay and outside of the Virginia capes draws on apace. Nothing has yet developed as to the number of boats that are likely to go out from the factories along the lower tributaries of the bay, but the gradual easing off in the prices of other products resulting from the operation of the fleet suggests that perhaps the companies will be cautious about their course of action. The producers of oil still adhere to the figure of 35c. per gallon, at which price the latest sales on a when-and-if-made basis were negotiated, while the large buyers regard this as excessive as compared with other materials, and a dead-lock has developed, with no signs of a break visible. The figures on refined stocks remain at 53c. to 55c. per gallon for light pressed, 55c. to 57c. per gallon on light bleached and 57c. to 59c. per gallon for yellow bleached stocks.

Fats and Greases

Grease.—The market was easier in company with tallow. Quotations were shaded ⅛c. to ¼c. per pound. There was a fair inquiry for small or moderate quantities from local and other consumers.

Lard.—Cash quotations were irregular in company with futures, changes generally being moderate. Domestic trade was rather quiet. There was a fair movement on export account. Receipts of hogs in Western markets were generally moderate.

Stearin.—The tone was easier, quotations being shaded ¼c. Demand was quiet.

Tallow.—With offerings freer, the tone of the market was easier. Sales were reported at 4⅞c. per pound for extra, showing a decline of ¼c. The volume of business closed for the week showed an increase, transactions being estimated by some at about 1,500,000 pounds. Offerings were light at the lower level.

Trading in tallow futures on the New York Produce Exchange from May 14 to May 20, inclusive, comprised 4 contracts, a total of 240,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks—High.	Low.	Close.
July	5.05	5.05	4.80@5.05
October	5.25	5.25	5.10@5.30

Markets at Other Centers

Chicago, May 20.—The cash lard market has been quiet. Stocks of lard in Chicago recently have risen somewhat more than the trade had been anticipating. Shipping trade has been fair.

The range of lard quotations from the opening Saturday, May 14, to the close Friday, May 20, is shown in the following table:—

	Per 100 pounds—Open.	High.	Low.	Close.	Previous Friday.
Cash	$8.35	$8.35	$8.30	$8.17	$8.40
May	8.35	8.35	8.07	8.12	8.35
July	8.50	8.50	8.37	8.50	8.52

TALLOWS (tierces).—Edible, 5¼c. to 5½c. per pound; prime, 5c. to 5¼c.; fancy, 5⅛c. to 5⅜c.; special, 4½c. to 4¾c.; No. 1, 4¼c. to 4½c.

GREASES (tierces).—Choice white, 5¼c. to 5½c. per pound; A white, 4⅞c. to 5⅛c.; B white, 4⅝c. to 4⅞c.; yellow, 10-16, 4⅜c. to 4⅝c.; yellow, 16-20, 4⅛c. to 4¼c.; brown, 3¾c. to 4c.

STEARINS (barrels).—Prime oleo, 5¾c. to 6c. per pound; lard, packages, 8½c. to 9c.; A white grease, 5½c. to 5¾c.; yellow grease, 4⅝c. to 4¾c.; extra oleo stocks, 8c. to 8¼c.; No. 2 stocks, 7½c. to 8c.

Liverpool, May 20.—Quotations per cwt. on refined American lard were as follows:—

	Spot. s. d.	May. s. d.	July. s. d.	Oct. s. d.
Saturday	47 6	42 9	43 6	44 6
Monday	47 0	42 6	43 9	44 6
Tuesday	47 0	42 3	43 0	44 0
Wednesday	47 6	42 6	43 6	44 6
Thursday	47 6	43 0	43 9	45 0
Friday	47 0	42 9	43 6	44 6

Liverpool, May 20.—Quotations per cwt. on tallow were as follows:—

	Choice. s. d.	Fine, good mixed. s. d.
Saturday	22 0	19 3
Monday	22 0	19 3
Tuesday	22 0	19 3
Wednesday	22 0	19 3
Thursday	22 0	19 3
Friday	22 0	19 3

Animal Oils

Degras.—A steady tone continued to prevail, quotations generally being maintained at former levels. Lack of demand of importance was offset by the smallness of supplies.

Lard.—There was no broadening of demand, consumers still being disinclined to purchase in advance of immediate requirements. The market retained a steady tone, selling schedules being held at former levels.

Neatsfoot.—Quiet conditions continued to prevail, such transactions as were noted being confined to comparatively small lots for prompt shipment. Prices were steady.

Oleo.—A somewhat better inquiry was noted though consumers showed little disposition to purchase in advance of current needs. The market remained steady.

Markets at Other Centers

Chicago, May 20.—Quietness has been reported recently in the animal oils. The price structure, however, is holding steady, with prices about unchanged all around. There are some fair-sized inquiries.

LARD.—No. 1, 8c. to 8¼c. per pound.

OLEO.—No. 2, 7¾c. to 8c. per pound.

TALLOW.—Acidless, 7¼c. to 7½c. per pound, tanks; and 8¼c. to 8½c., drums.

Waxes

The Procurement Division of the Treasury Department has approved a first amendment to the Federal specification (P.W. 141) for liquid and paste floor wax. Copies of the amended specification, which will become effective September 1, may be obtained at 5 cents each from the Superintendent of Documents, Government Printing Office, Washington.

Bees.—While the market was apparently fairly steady, it was also subject to a demand that was mainly conservative in size and lacking in signs of an immediate broadening of consumer interest. Pricewise, the local suppliers maintained the market very well.

Carnauba.—The market seemed to be substantially firmer at the source and some quarters on the spot also reported an improved situation. Locally, some suppliers reported a very good movement to buyers and also the return to the market of buyers who had been absent for some time. Basically, the Brazilian situation seemed to be very firm. Latest reports stated that unsold stocks at the source were 700 to 750 tons, which statement, if true, may have an important bearing on the future development of the market. Prices on spot were firmer and prime quality wax was bringing an advance over the minimum quotations prevailing.

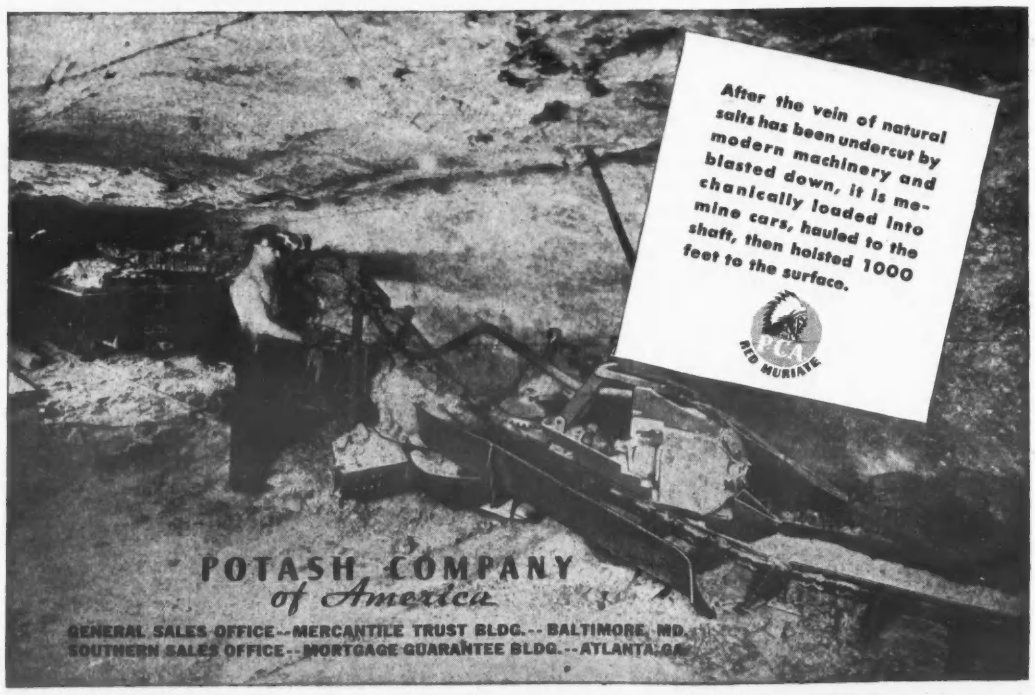
Japan.—Trading was very slow. Jobbing interest alone seemed to be present and the market as a whole was continued to the immediate needs of a restricted number of consumers. Prices were quiet but fairly easy.

John F. Keller, of the New York office of the Archer-Daniels-Midland Company, linseed crusher, Minneapolis, is making steady recovery from a throat ailment that confined him to the hospital for several weeks. He was at his desk two days last week and expects to be in condition to again engage actively in business in the near future.

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

SUN BLEACHED
Beehive Brand BEESWAX
• Finest Quality
• Guaranteed Pure
WILL & BAUMER CANDLE CO., INC.
Dept. E6 Syracuse, N. Y.
Established 1855
Spermaceti Red Oil Glycerine
Ceresine Stearic Acid
WARRANTED PURE BEES WAX

KOSTER KEUNEN BEESWAX
IMPORT Established 1931 EXPORT
Inspect our sunbleachery and our stock of over half a million pounds
SAYVILLE, N. Y.—about 50 miles from New York City


After the vein of natural salts has been undercut by modern machinery and blasted down, it is mechanically loaded into mine cars, hauled to the shaft, then hoisted 1000 feet to the surface.
PCA
RED MURIATE
POTASH COMPANY of America
GENERAL SALES OFFICE--MERCANTILE TRUST BLDG.--BALTIMORE, MD.
SOUTHERN SALES OFFICE--MORTGAGE GUARANTEE BLDG.--ATLANTA, GA.

Fertilizer Materials

Markets at Other Centers

—*Continued from page* 55

nominal; cattle jaws, skulls and knuckles, $18 to $19; pork cracklings, soft pressed, $35 to $40; beef cracklings, soft pressed, $30 to $35; hard pressed cracklings, per unit of ammonia, 50c. to 55c.

San Francisco, May 17.—The trade here reported last week that the heavy application of fertilizers on citrus and other trees had come to an almost abrupt end for the season and while spreading will continue into the summer on truck and other light crops, trade and movement will be rather slow for some time to come. Evidently the next feature to look for at this time is some sort of indication as to the price fixation for new business in chemical materials. However, the buying trade is not interesting itself particularly in this at the moment. Last week brought about but little change in the organic price setup. Demand ran fair for blood and tankage and there appears to be no surplus of either in the packing houses. Most business right now is for spot requirements. Fish meal was easier.

Ruling prices were:—

SULPHATE OF AMMONIA.—Quoted in 100-pound bags at $31.50 per ton, port basis, San Francisco and/or Los Angeles harbor. Inland points, delivered, $1 per ton extra.

NITRATE OF SODA.—100-pound bags, $29 per ton ex-vessel or warehouse, San Francisco/Oakland; 200-pound bags, $28.30 per ton ex-vessel or warehouse, San Francisco/Oakland; bulk lots $27.

SUPERPHOSPHATE.—Domestic 75c. to 80c. per unit in bulk, f.o.b. producer's plant, San Francisco Bay. Bags, quoted at from 80c. to 85c. per unit. Foreign material nominal.

AMMONIA PHOSPHATE.—Quoted at $42 per ton, single bags, f.o.b. cars, San Francisco; basis 16 percent N., 20 percent P. A. Inland points, delivered, $1 per ton extra.

FISH MEAL.—California sardine meal is quoted on the basis of $45 per ton, f.o.b. cars, San Francisco/Monterey and $44 per ton, Los Angeles.

TANKAGE.—Domestic packing house tankage, ground, high grade, quoted nominally on the basis of $2.90 to $3 and 10c. per unit-ton, f.o.b. cars, Los Angeles. Lower grades, unground, quoted at $2.60 and 10c. Dry rendered, ground, quoted nominally at $32.50 to $34 per ton, f.o.b. cars, San Francisco. Unground, dry rendered, quoted nominally at 55c. per unit.

BLOOD MEAL.—Domestic $2.60 per unit, nominally, f.o.b. cars, Los Angeles.

BONE MEAL.—Domestic and imported steamed bone meal, quoted, according to seller and quality, at from $23 to $26 per ton, delivered Pacific Coast ports.

Royster to Erect Fertilizer Plant in Ind.

F. S. Royster Guano Company, fertilizer producer, with headquarters in Norfolk, Va., has acquired a site and completed plans for the construction of a fertilizer and superphosphate plant in Indianapolis. The plant will have an annual capacity of 20,000 to 25,000 tons of complete fertilizer, and the company intends to acidulate phosphate rock and make superphosphate to the extent of about 10,000 to 12,000 tons a year. Present plans of the company do not call for construction of a sulphuric acid unit at the Indianapolis plant, but it is probable that sulphuric acid will be supplied by the Royster Chemical Works division of the company from its contact sulphuric acid plant in Toledo, Ohio.

The Royster Company already has considerable business in Indiana and the Indianapolis plant is being built to take care of this business as well as to provide for expansion into Kentucky and Illinois. The company maintains plants in Baltimore and in each of the Southern states as far south of Mississippi, and with the new Indianapolis plant the company will be in a position to provide quick and complete fertilizer service over the entire Eastern section of the country.

C.D.I.C. Production Club Elects P.O. Blackmore

Cincinnati, O., May 18, 1938

The Cincinnati, Dayton, Indianapolis and Columbus Paint and Varnish Production Club elected the following officers for the ensuing year:—President, P. O. Blackmore, of Ault and Wiborg; vice-president, G. C. Schutte, of the Perry & Derrick Company; secretary, M. F. Moran, jr., and treasurer, Bernard Coulter, of Carthage Mills, Inc. The speaker of the evening was Howard W. Hall, of the Dicalite Company, who discussed the practical uses of diamatious pigments in paint products.

Shipping Information

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Imports at U.S. Ports

New York Imports

ACID, CRESYLIC — 53 dms, Waukegan, Liverpool
HYDROCIANIC — 10 cyls, American Cyanamid & Chem Co, Panuco, Vera Cruz
PEANUT OIL — 5 dms, Welch, Holme & Clark, Nieuw Amsterdam, Rotterdam
SOYBEAN OIL — 60 dms, Half Moon Mfg & Trading Co, Nieuw Amsterdam, Rotterdam
VEGETABLE OIL — 1 cs, Planet Export Co, Nieuw Amsterdam, Rotterdam
ADHESIVE PASTE — 4 cks, Arabol Mfg Co, American Trader, London
ALKANITE ROOT — 4 bls, 629 lbs, S B Penick & Co, Exochorda, Marseilles
ALOE — 20 cs, Norton Lilly & Co, American Trader, London
ALTHEA ROOT—7 bls, 783 lbs, J L Hopkins & Co, Deustchland, Hamburg
ALUMINUM LEAF — 5 cs, F P Gaskell Co, Europa, Bremen
43 cs, Alka Bottle Capping Mach Co, Europa, Bremen
27 cs, Rohner, Gehrig & Co, Europa, Bremen
POWDER — 21 dms, T D Downing & Co, Deutschland, Hamburg
AMMONIA CRYSTALS — 1 cs, Yardley & Co, American Trader, London
ARSENIC—92 bbls, American Smelting & Refg Co, Panuco, Tampico
ARTIST'S MATERIAL — 2 cs, Gallagher & Ascher, Nieuw Amsterdam, Rotterdam
2 cs, Favor, Ruhl & Co, American Trader, London
7 cs, Winsor & Newton, American Trader, London
ASBESTOS — 2,435 bgs, Barbarigo, Genoa
20 bgs, Taybestos-Manhattan, Inc, American Trader, London
ASPHALT — 591 cakes, Deutschland, Bremen
BARIUM HYDRATE — 14 cks, Samaria, Liverpool
BARYTES—200 bgs, United Fruit Co, Barbarigo, Genoa
BAY RUM — 1 pkg, P R Express Co, Coamo, San Juan
BISMUTH — 150 cs, Cerro de Pasco Copper Corp, Santa Lucia, Callao
BLUE, BERLIN—2 bbls, Fezandie & Sperrle, Nieuw Amsterdam, Rotterdam
BLEACHERS—5 bbls, A De Ronde & Co, Samaria, Liverpool
BONE MEAL — 1,654 bgs, Laura C, Fiume
BONES—1 car, Geck Trading Co, Seatrain New Orleans, Havana
1 car, Geck Trading Co, Seatrain Havana, Havana
BRISTLES — 6 cs, Deutschland, Hamburg
4 cs, Continental Bank & Trust Co, Lancastria, Southampton
14 cs, Chesnut, Cooper & Co, Lancastria, Southampton
26 cs, Bank of London South America, Kinai, Harbin
28 cs, National City Bank, Kinai, Harbin
55 cs, Irving Trust Co, Kinai, Harbin
56 cs, Guaranty Trust Co, Kinai, Harbin
66 cs, National Bank Trust Co, Kinai, Harbin
26 cs, Mitsubishi Shoji Kaisha, Kinai, Yokohama
105 cs, Guaranty Trust Co, Kinai, Tientsin
55 cs, Royal Bank of Canada, Kinai, Tientsin
66 cs, Kinai, Tientsin
2 cs, 9 cks, Draeger Shipping Co, American Trader, London
BRONZE POWDER—2 cs, T D Downing & Co, Deutschland, Hamburg
22 cs, Heemsoth-Kerner Corp, Deutschland, Hamburg
19 cs, Hamilton Forwarding Co, Deutschland, Bremen
CANARY SEED—220 bgs, J T Connor Co, American Legion, Buenos Aires
244 bgs, American Legion, Buenos Aires
CANTHARIDES—28 bgs, Mexico, Vera Cruz
CARDAMOM — 2 cs, Central Hanover Bank Trust Co, American Trader, London
CAROB FLOUR—40 bgs, 4,400 lbs, Exochorda, Marseilles
CASEIN—84 bgs, A Hurst & Co, American Legion, Buenos Aires
CASSIA—547 bls, Kota Radja, Padang
CASTOR BEANS—5,100 bgs, Spencer Kellogg & Sons, Mormacstar, Pernambuco
1,710 bgs, Davison Chem Corp, Mormacstar, Dahia
1,700 bgs, Balfour, Guthrie & Co, Mormacstar, Bahia
847 bgs, Spencer Kellogg & Sons, Mormacstar, Bahia
18,710 bgs, Baker Castor Oil Co, Mormacstar, Bahia
CELLULOSE, ACETATE—1 pkg, General Dyestuff Corp, Nieuw Amsterdam, Rotterdam
CHAMOIS—1 cs, World Sponge Market, Nieuw Amsterdam, Rotterdam
CHAMOMILE FLOWERS — 125 cs, Saturnia, Trieste
CHEMICALS—12 bbls, 2 cs, P C Kuyper Co, Deutschland, Hamburg
100 kgs, 2 crbys, 33 cs, Deutschland, Hamburg
29 bbls, 11,048 lbs, National Ctiy Bank, Deutschland, Hamburg
47 cks, 22,697 lbs, Philip Bauer Co, Deutschland, Hamburg
65 cks, 8,580 lbs, Robinson-Wagner Co, Deutschland, Hamburg
150 bgs, 33,000 lbs, E M Sergeant Pulp & Chem Co, Deutschland, Hamburg
4 cs, Deutschland, Bremen
40 bbls, 12,320 lbs, Chemical Marketing Co, Batory, Gdynia
7 cs, General Dyestuff Corp, Europa, Bremen
1 ck, Advance Solvents & Chem Co, Europa, Bremen
2 cs, American Union Transport Co, Normandie, Havre
36 bbls, 2 cns, 1 cs, Ciba Co, Normandie, Havre
10 cs, E Fougera & Co, Normandie, Havre
CHINA CLAY—716 bgs, Laura C, Trieste
CHROME ORE—4,703 tons, 11 cwt, 3 qtrs, 14 lbs, E J Lavino & Co, Robin Goodfellow, Lourenco Marques
5,000 tons, Electro Metallurgical Co, Anhalt, Paaganinene
826 bgs, 61 tons, W R Grace & Co, Potter, Mormugao
1,989 tons, W R Grace & Co, Potter, Mormugao
CINNAMON—50 bls, Tanimbar, Colombo
CLAY — 300 bgs, Wm Manley, Manhattan, Hamburg
100 bgs, Chemical Product Plant, Deutschland, Hamburg
COALTAR, INTERMEDIATES—9 cks, 30 dms, General Dyestuff Corp, Nieuw Amsterdam, Rotterdam
4 cks, Geigy Co, Europa, Bremen
1 dm, Sandoz Chem Works, Europa, Bremen
10 dms, 1 ck, General Dyestuff Corp, Europa, Bremen
COCA LEAVES — 86 bls, Maywood Chem Works, Santa Lucia, Salaverry
COCOA BEANS—375 bgs, Santa Lucia, Guayaquil
70 bgs, Schutte & Focke, Flora, Curacao
75 bgs, Struller & Wood, Flora, Curacao
21 bgs, Flora, Curacao
200 bgs, Pablo Calvet & Co, Buenaventura, Cristobal
200 bgs, Otto Gerdau Co, Buenaventura, Cristobal
350 bgs, Machado & Co, Santa Paula, La Guaira
176 bgs, Transmarine Mercantile Corp, Santa Paula, Cape Haitien
650 bgs, Nieuw Amsterdam, Rotterdam
1,500 bgs, Wessel, Kulenkampf & Co, Aimena, Trujillo
1,014 bgs, Aimena, Trujillo
1,886 bgs, Machado & Co, Aimena, Sanchez
250 bgs, Curacao Trading Co, Aimena, Puerto Plata
1,000 bgs, American Legion, Port Spain
3,024 bgs, Balfour, Guthrie & Co, New Brunswick, Lagos
1,801 bgs, Superintendence Co, New Brunswick, Lagos
790 bgs, New Brunswick, Lagos
6,000 bgs, Superintendence Co, New Brunswick, Grand Bassam
3,028 bgs, Cie Franc de l'Afrique, New Brunswick, Port Bouet
3,000 bgs, New Brunswick, Port Bouet
753 bgs, Cie Franc de l'Afrique, New Brunswick, Sassandra
756 bgs, New Brunswick, Freetown
COCONUTS—15 bgs, 1,500 lbs, J Cristina, Coamo, San Juan
60 bgs, 6,000 lbs, Simon French Co, Coamo, San Juan
500 bgs, 50,000 lbs, I L Toledano Corp, Buenaventura, Cristobal
1,644 bgs, 164,400 lbs, General Foods Corp, Jamaica, Kingston
COCONUT, DESIC—992 cs, Cooperative Coconut Prod, Inc, Slemmestad, Manila
COLORS—5 cs, Interntional Forwarding Co, Deutschland, Hamburg
1 bbl, Charles Happel, Deutschland, Hamburg
5 cs, F B Vandegrift, Normandie, Havre
20 cks, Fulton Dye & Import Co, Normandie, Havre
DRY—40 cks, C J Osborn & Co, Nieuw Amsterdam, Rotterdam
1 cs, Gallagher & Ascher, Nieuw Amsterdam, Rotterdam
CAPAIBA BALSAM—10 cs, 1,000 lbs, W R Grace & Co, Santa Paula, Cristobal
CORK—88 bls, Rohner, Gehrig & Co, Collamer, Bordeaux
14 cs, Cork Import Co, Normandie, Havre
DISCS—20 bls, Armstrong Cork Co, Exochorda, Marseilles
WASTE—1,940 bls, Armstrong Cork Co, Exchange, Algiers
10 bls, H Suhl, Laura C, Algiers
WOOD—50 bls, Armstrong Cork Co, Exchange, Algiers
50 bls, Laura C, Algiers
CREOSOTE—2 cs, Werckle & Galgano, American Trader, London
CUMIN SEED—91 bgs, Exochorda, Marseilles
CUTCH—1,500 pkgs, Sig Saxe, Tanimbar, Singapore
CUTTLEFISH BONES—20 cs, Saturnia, Trieste
DRUGS, CRUDE—25 cs, American Trader, London
DYES, ALIZARIN—1 ck, General Dyestuff Corp, Nieuw Amsterdam, Rotterdam
2 dms, 16 cans, General Dyestuff Corp, Europa, Bremen
ANILIN—3 cks, 1 pkg, General Dyestuff Corp, Deutschland, Hamburg
12 cks, 1 cs, General Dyestuff Corp, Nieuw Amsterdam, Rotterdam
12 cans, Ciba Co, Nieuw Amsterdam, Rotterdam
27 kegs, Carbic Color & Chemical Co, Europa, Bremen
11 pkgs, Geigy Co, Europa, Bremen
7 dms, Sandoz Chemical Works, Europa, Bremen
2 cks, 1 cs, General Dyestuff Corp, Europa, Bremen
87 cans, Ciba Co, Normandie, Havre
EARTH, SILICIOUS—204 bgs, Deutschland, Bremen
FILTER COMPOUND—100 bls, Manhattan, Hamburg
PAPER—6 cs, H Reeve Angel & Co, American Trader, London
FISH LIVERS—503 tons, Chase National Bank, Kinai, Mozi
FLAXSEED—2,045 tons, 81,600 bus, L Dreyfus & Co, Mormacstar, Concepcion del Uruguay
FLOWER WATER—11 dms, J Manheimer, Exochorda, Marseilles
10 demjs, Tombarel Prod Co, Exochorda, Marseilles
FORMALDEHYDE, SODA HYDROSULPHITE —25 kegs, Philipp Bros, Samaria, Liverpool
FULLER'S EARTH—20 bgs, 4,400 lbs, Ironized Yeast Co, Deutschland, Bremen
GELATIN—100 bgs, Normandie, Havre
20 bgs, T M Duche & Sons, Samaria, Liverpool
GINGER ROOT—1,596 bgs, Superintendence Co, New Brunswick, Freetown
GLASS, PLATE—39 cs, Globe Shipping Co, Deutschland, Hamburg
WINDOW—2,196 cs, Vitrea Co, Manhattan, Hamburg
30 cs, Deutschland, Hamburg
GLUE, POWD—50 cks, 1 cs, Rex & Reynolds, Exochorda, Marseilles
GRAPHITE—63 cks, 12,751 lbs, E Faber Pencil Co, Exochorda, Marseilles
GREASE, WOOL—6 dms, Samaria, Liverpool
GUM—372 bgs, Chicle Development Co, New Brunswick, Lagos
ARABIC—25 bgs, 5,610 lbs, Exochorda, Marseilles
50 bgs, Frank Vliet Co, Potter, Port Sudan
150 bgs, Innis, Speiden & Co, Potter, Port Sudan
CHICLE—1,512 bls, Mexican Exploitation Co, Mexico, Vera Cruz
18 bls, Guaranty Trust Co, Panuco, Vera Cruz
COPAL—296 bskts, O G Innes Corp, Tanimbar, Amboina
55 bskts, O G Innes Corp, Tanimbar, Tominbay
GUM, COPAL—90 bskts, O G Innis Corp, Tanimbar, Roemakai
68 bskts, France, Campbell & Darling, Tanimbar, Dobo
1 bskt, Sino Java Handel, Tanimbar, Dobo
68 bgs, O G Innes Corp, Kota Radja, Macassar
67 bskts, France, Campbell & Darling, Radja, Macassar
111 bskts, Corn Exchange Bank Trust Co, Radja, Tominibay
49 bgs, G W S Patterson & Co, American Trader, London
DAMMAR—100 cs, Stroock & Wittenberg, Tanimbar, Cheribon
10 cs, Kota Radja, Batavia
100 cs, Manufacturers Trust Co, Kota Radja, Batavia
72 cs, O G Innes Corp, Kota Radja, Padang
KAURI—50 bgs, 10 cs, Anhalt, Auckland
LOCUST BEAN—25 bgs, 5,987 lbs, Innis, Speiden & Co, Barbarigo, Genoa
10 bgs, 2,272 lbs, Barbarigo, Genoa
SANDARAC—8 bbls, 2,714 lbs, Exchange, Casablanca
GYPSUM—6,600 tons, U S Gypsum Co, Gypsum Express, Windsor
400 bgs, Whittaker, Clark & Daniels, Samaria, Liverpool
HERBS, MEDICINAL—15 bgs, 1,676 lbs, Deutschland, Hamburg
11 bls, S B Penick & Co, Saturnia, Trieste
HOPS—5 bls, B Schwarz Sons, Manhattan, Hamburg
20 bls, S S Steiner, Manhattan, Hamburg
4 bls, Heemsoth Kerner Corp, Manhattan, Hamburg
3 bls, Globe Shipping Co, Deutschland, Hamburg
7 bls, Pacific & Atlantic Shipping Assn, Batory, Gdynia
INDIGO—2 cks, General Dyestuff Corp, Nieuw Amsterdam, Rotterdam
IRISH MOSS—22 bls, Collamer, St Nazaire
IRON ORE—5,000 tons, United States Vanadium Corp, Slemmestad, Sabano
2 bgs, J G Baragwanath, Chiriqui, Havana
OXIDE—223 bgs, J Lee Smith & Co, Samaria, Liverpool
10 dms, Reichard Coulston, Samaria, Liverpool
10 cks, J A McNulty, Samaria, Liverpool
50 bgs, Samaria, Liverpool
ISINGLASS — 10 cs, C H Reisig, American Trader, London
10 cs, Richard Shipping Co, American Trader, London
JUNIPER BERRIES — 42 bls, N Y Central Line, Barbarigo, Leghorn
LARKSPUR SEED—13 bgs, 1,183 lbs, S B Penick & Co, Exochorda, Marseilles
LAUREL LEAVES—13 bls, Comm'l Bank of Greece, Saturnia, Patras
50 bls, Ionian Bank, Saturnia, Patras
LAVENDER FLOWERS—6 bls, 660 lbs, R J Prentiss & Co, Exochorda, Marseilles
10 bgs, Yardley & Co, American Trader, London
LITHOPONE — 400 cks, Benj Moore & Co, Nieuw Amsterdam, Rotterdam
MACE—16 cs, Catz American Co, Tanimbar, Banda
MAGNESIA, CALCINED—30 cks, Schofield-Donald Co, Samaria, Liverpool
CARBONATE—75 cs, 5,412 lbs, Lo Curto & Funk, Barbarigo, Genoa
102 cks, Schofield-Donald Co, Samaria, Liverpool
MANGANESE—1 car, Manuel Cortada, Seatrain New Orleans, Havana
1 cs, Homer Kearns, Anhalt, Auckland
MANGROVE BARK—1,270 bgs, 100 tons, Robin Goodfellow, Milwa, Kisiwani
MATCHES, SAFETY—200 cartons, Simmons Distr Co, Manhattan, Hamburg
MEDICINAL PREPS—10 cs, J Personeni, Exochorda, Marseilles
8 cs, Burroughs-Wellcome Co, American Trader, London
MICA—45 cs, American Legion, Rio de Janeiro
BLOCK—43 cs, Potter, Calcutta
DISCS—5 cs, Gillespie-Rogers-Pyatt Co, Potter, Calcutta
SPLITTINGS—150 cs, Potter, Calcutta
45 cs, Gillespie-Rogers-Pyatt Co, Potter, Calcutta
MOLASSES—412 tons, W R Grace & Co, Santa Lucia, Supe
8,097 gls, Boston Molasses Co, Seatrain New Orleans, Havana
NUTMEGS—32 bgs, Catz American Co, Tanimbar, Banda
OCHER—100 bgs, 5,038 lbs, Reichard-Coulston, Exochorda, Marseilles
25 cks, 16,453 lbs, Wishnick-Tumpeer Co, Exochorda, Marseilles
15 cks, 9,893 lbs, Scott Libby Corp, Exochorda, Marseilles
600 bgs, 20 cks, 43,782 lbs, J H Furman, Exochorda, Marseilles
OIL, ALMOND—66 cs, Exochorda, Marseilles
2 cs, Dodge & Olcott Co, American Trader, London
BERGAMOT—50 qr cs, 1,980 lbs, Lo Curto & Funk, Exchange, Messina
CINNAMON LEAF—5 dms, M E de Witt Osborn, Tanimbar, Colombo
35 dms, R C Treatt & Co, American Trader, London
7 dms, Barber S S Line, American Trader, London
CITRONELLA—3 dms, Tanimbar, Semarang
8 dms, Tanimbar, Batavia
11 dms, Magnus, Mabee & Reynard, Tanimbar, Colombo
11 dms, Lo Curto & Funk, Tanimbar, Colombo
6 dms, C Fischbeck Co, Tanimbar, Colombo
8 dms, Kota Radja, Batavia
5 dms, Barber S S Line, American Trader, London
COCONUT—5 cs, S Dorf & Co, Manhattan, Hamburg
COD—52 cks, F W Damon, Manaqui, St John's
100 dms, Tobias T Pergement & Co, Manhattan, Hamburg
1,500 dms, Deutschland, Hamburg
CORN — 311 dms, Corn Product Refg Co, Barbarigo, Trieste
200 dms, Corn Product Refg Co, Laura C, Trieste
COTTONSEED — 760 tons, Mormacstar, Santos
ESSENTIAL—59 pkgs, Exochorda, Marseilles
19 pkgs, Normandie, Havre
FUEL—94,000 bbls, Standard Oil Co of N J, E G Seubert, Aruba
98,000 bbls, Standard Oil Co of N J, Charles Pratt, Aruba
112,000 bbls, Standard Oil Co of N J, Standard, Aruba
96,000 bbls, Standard Oil Co of N J, Esso Aruba, Aruba
JUNIPER—5 cs, 776 lbs, Magnus, Mabee & Reynard, Exochorda, Genoa
LAVENDER—2 dms, 1,416 lbs, Dodge & Olcott Co, Exochorda, Marseilles
LEMON—200 hlf cs, 15,400 lbs, Dodge & Olcott Co, Exchange, Messina
MINERAL—110 dms, Heemsoth-Kerner Corp, Deutschland, Hamburg
OIL, OLIVE—890 cs, Exochorda, Leghorn
25 dms, Fontana Co, Exochorda, Leghorn
25 dms, Smith-Wehman Co, Exochorda, Genoa
15 dms, De Simone Bros, Exochorda, Genoa
25 dms, B Dorman, Exochorda, Genoa
3,927 cs, Exochorda, Genoa
112 dms, Atlantic & Pacific Tea Co, Exochorda, Marseilles
25 dms, Olive Industry Co, Exochorda, Marseilles
585 cs, Exochorda, Marseilles
496 cs, Rex, Genoa
203 cs, Exmoor, Seville
150 dms, Leghorn Trading Co, Exchange, Algiers
138 dms, New Brunswick Laboratories, Exchange, Casablanca
51 cks, 505 cs, Exchange, Palermo
100 dms, Central Hanover Bank Trust Co, Exchange, Tunis
100 dms, Chase National Bank, Exchange, Sousse
50 dms, W A Taylor & Co, Exchange, Sousse
100 dms, Exchange, Sousse
10 dms, Irving Trust Co, Laura C, Palermo
100 dms, Lekas & Drivas, Laura C, Palermo
100 dms, Chase National Bank, Laura C, Palermo
35 dms, Banca Comm'l Italian Trust Co, Laura C, Palermo
385 dms, Laura C, Palermo
50 dms, Laura C, Algiers
195 cs, Irving Trust Co, Laura C, Seville
270 pkgs, Saturnia, Palermo
OLIVE SULPHUR—1,000 dms, Smith Weihman Co, Exmoor, Lisbon
270 dms, Smith Weihman Co, Saturnia, Lisbon
ORANGE—6 dms, French American Banking Corp, Exochorda, Marseilles
4 dms, New Brunswick, Freetown
8 dms, American Trader, London
PALM—484 tons, Tanimbar, Belawan Deli
519 tons, Van Leeuwen, Boomkampf & Co, Tanimbar, Belawan Deli
570 tons, Van Leeuwen, Boomkampf & Co, Kota Radja, Belawan Deli
251 tons, Kota Radja, Belawan Deli
PALMAROSA—2 dms, Kota Radja, Batavia
PETITGRAIN—50 cs, W R Grace & Co, Mormacstar, Buenos Aires
SOD—80 cks, C H Reisig, Samaria, Liverpool
YLANG YLANG—3 dms, 440 lbs, Dodge & Olcott Co, Exochorda, Marseilles
PAINT COMPOSITION—53 bbls, 35 cs, H Fyfe, Saturnia, Trieste
PAPRIKA—100 bgs, Bank of Manhattan, Manhattan, Hamburg
125 bgs, Central Hanover Bank Trust Co, Manhattan, Hamburg
50 bgs, Manhattan, Hamburg
300 bgs, Van Loan & Co, Deutschland, Hamburg
PARAFFIN—1 cs, Akatos, Inc, Deutschland, Hamburg
9,200 bgs, Asiatic Petroleum Corp, Tanimbar, Balik Papan
6,400 bgs, Asiatic Petroleum Corp, Kota Radja, Balik Papan
PEATMOSS—210 bls, New Amsterdam Import & Supply Co, Waukegan, Glasgow
700 bls, Half Moon Mfg & Trading Co, Nieuw Amsterdam, Rotterdam
PEPPER, BLACK—610 bgs, Tanimbar, Tandjong Priok
579 bgs, Tanimbar, Cheribon
1,218 bgs, Tanimbar, Oosthaven
324 bgs, Kota Radja, Oosthaven
PETROLEUM, CRUDE—110,782 bbls, Gulf Oil Corp, Gulfhawk, Las Piedras
19,371 bbls, Gulf Oil Corp, Toas, Las Piedras
REFINED—100 dms, Robert F Cruickshank Corp, Deutschland, Bremen
POPPYSEED—200 bgs, 22,000 lbs, M Witsenburg, Batory, Gdynia
200 bgs, 22,000 lbs, Knickerbocker Mills Co, Nieuw Amsterdam, Rotterdam
POTASH CARBONATE—12 cks, 5,781 lbs, T C Wygandt, Deutschland, Hamburg
CAUSTIC—126 dms, Deutschland, Hamburg
SULPHATE—20 bgs, N V Potash Export Mij, Manhattan, Hamburg
QUICKSILVER—36 flasks, Mexico, Vera Cruz
105 flasks, Chase Natl Bank, Mexico, Vera Cruz
25 flasks, Chase Natl Bank, Panuco, Vera Cruz
ROOT, MEDICINAL—110 bls, 22,994 lbs, Exochorda, Marseilles
100 bgs, 11,000 lbs, Deutschland, Hamburg
7 bls, S B Penick & Co, Saturnia, Trieste
ROSE FLOWER WATER—10 demjs, Tombarel Prod Corp, Exochorda, Marseilles
ROSIN—25 cs, S B Penick & Co, Saturnia, Trieste
SAGE LEAVES—58 bls, Barbarigo, Trieste
SAGO FLOUR—721 bgs, Stein, Hall & Co, Kota Radja, Singapore
SAPONIN—4 cs, Rohner, Gehrig & Co, Europa, Bremen
SEED, MEDICINAL—10 bgs, 1,139 lbs, Exochorda, Marseilles
SESAME SEED—28 bgs, W Russel Howe, Potter, Port Sudan
SHEEP DIP, POWD—500 cs, W Cooper & Nephews, American Trader, London
SHELLAC—30 bgs, 20 cs, A Hurst & Co, Deutschland, Hamburg
200 bgs, A Hurst & Co, Potter, Calcutta
50 cs, 400 bgs, E E Androvette, Potter, Calcutta
75 bgs, 100 cs, Potter, Calcutta
BUTTON LAC—50 bgs, Potter, Calcutta
SEEDLAC—200 bgs, E E Androvette, Potter, Calcutta
200 bgs, Potter, Calcutta
SIENNA—6 bbls, 2,640 lbs, Stanley Doggett, Exochorda, Leghorn
80 bgs, 16,152 lbs, Reichard-Coulston, Barbarigo, Leghorn
SOAP—1,025 cs, Conti & Co, Exochorda, Leghorn
67 cs, Concentrate Manufacturing Co, Normandie, Havre
200 cs, R H Macy & Co, Saturnia, Trieste
BASE—193 cs, Yardley & Co, American Trader, London
SODA, CYANIDE—850 dms, American Cyanamid & Chemical Co, Nieuw Amsterdam, Rotterdam
HYDROSULPHITE — 40 cks, 9,504 lbs, Deutschland, Hamburg
25 kegs, Philipp Bros, Samaria, Liverpool
SILICOALUMINATE — 40 bbls, 11,880 lbs, Innis, Speiden & Co, Deutschland, Hamburg
SILICOFLUORIDE — 200 bgs, 44,000 lbs, Hummel Chemical Co, Barbarigo, Leghorn
SULPHATE—693 bgs, W R Grace & Co, Santa Lucia, Antofagasta
SPONGES—32 bls, Chiriqui, Havana
5 bls, Mexico, Havana
3 bls, Canadian Pacific Railway, Saturnia, Patras

STEATITE — 5 bbls, 3,429 lbs, M Kirchberger & Co, Exochorda, Leghorn
12 bbls, 6,870 lbs, Dodwell & Co, Exochorda, Leghorn
SULPHUR—25 cks, Lo Curto & Funk, Samaria, Liverpool
SUMAC—350 bgs, 55,825 lbs, Exchange, Palermo
LEAF—40 bls, 22,415 lbs, Exchange, Palermo
TALC—300 bgs, 66,000 lbs, L A Salomon & Bros, Collamer, Bordeaux
6 cks, 4,721 lbs, C B Chrystal & Co, Collamer, Bordeaux
54 cs, 7,081 lbs, Binney & Smith Co, Collamer, Bordeaux
1,150 bgs, 223,575 lbs, Whittaker, Clark & Daniels, Collamer, Bordeaux
3,985 bgs, 876,700 lbs, Charles Mathieu, Barbarigo, Genoa
300 bgs, 66,000 lbs, C B Chrystal & Co, Barbarigo, Genoa
100 bgs, 22,000 lbs, Whittaker, Clark & Daniels, Barbarigo, Genoa
TANKAGE—507 bgs, 747 cakes, Mormacstar, Buenos Aires
508 bgs, C Hollmshed & Co, Mormacstar, Montevideo
500 bgs, Mormacstar, Montevideo
TAPIOCA, FLAKE — 507 bgs, Stein, Hall & Co, Tanimbar, Sourabaya
852 bgs, Stein, Hall & Co, Kota Radja, Sourabaya
FLOUR — 2,250 bgs, Stein, Hall & Co, Tanimbar, Cheribon
1,000 bgs, Chase National Bank, Tanimbar, Cheribon
250 bgs, New York Trust Co, Tanimbar, Tjilatjap
1,093 bgs, Stein, Hall & Co, Kota Radja, Sourabaya
500 bgs, Stein, Hall & Co, Kota Radja, Cheribon
3,000 bgs, H P Winter & Co, Kota Radja, Cheribon
550 bgs, Chase National Bank, Kota Radja, Cheribon
501 bgs, American Cyanamid & Chem Co, Kota Radja, Batavia
500 bgs, National Adhesive Corp, Kota Radja, Batavia
2,200 bgs, Kota Radja, Batavia
600 bgs, 1 cs, Corn Product Refg Co, Aimena, Puerto Plata
PEARL—1,639 bgs, Stein, Hall & Co, Tanimbar, Sourabaya
836 bgs, Stein, Hall & Co, Kota Radja, Sourabaya
TARTAR—188 bgs, Standard Brands, Exochorda, Marseilles
572 bgs, C Pfizer & Co, Exochorda, Marseilles
630 bgs, C Pfizer & Co, Barbarigo, Leghorn
500 bgs, Barbarigo, Genoa
76 bgs, Arthur Oulmane & Co, Exchange, Tunis
265 bgs, Normandie, Havre
74 bgs, Laura C, Trieste
572 bgs, Laura C, Naples
430 bgs, Charles Pfizer & Co, Laura C, Algiers
TEAWASTE—290 bgs, Potter, Calcutta
THYME LEAVES—6 bgs, 1,100 lbs, American Express Co, Exochorda, Marseilles
TOLU BALSAM—10 cs, H E Botzow, Santa Paula, Porto Colombia
4 cs, Magnus, Mabee & Reynard, American Trader, London
UMBER—1,512 bgs, C K Williams & Co, Exochorda, Alexandria
BURNT—30 cks, Chase National Bank, Exochorda, Alexandria
RAW—40 cks, Chase National Bank, Exochorda, Alexandria
VANADIUM—4,000 bgs, Vanadium Corp, Santa Lucia, Callao
VANILLA BEANS—42 cs, Thurston & Braidich, Exochorda, Marseilles
12 cs, Dodge & Olcott Co, Exochorda, Marseilles
46 cs, W T Rawleigh Co, Exochorda, Marseilles
44 cs, Exochorda, Marseilles
7 cs, Dodge & Olcott Co, Mexico, Vera Cruz
10 cs, Normandie, Havre
10 cs, Irving Trust Co, Normandie, Havre
WATER, MINERAL — 370 cs, D F Young, American Trader, London
30 cs, R H Macy & Co, American Trader, London
15 cs, H S Dorf & Co, Normandie, Havre
WAX—50 cs, Orbis Product Corp, Normandie, Havre
BEES — 45 pkgs, W R Grace & Co, Exochorda, Alexandria
3 bgs, Flora, Curacao
25 bgs, Curacao Trading Co, Coamo, Trujillo
12 bgs, Machado & Co, Coamo, Trujillo
48 bgs, Mexico, Havana
4 seroons, Porcella, Vicini & Co, Aimena, Trujillo
70 bgs, Machado & Co, Aimena, Sanchez
86 seroons, Porcella, Vicini & Co, Aimena, Puerto Plata
36 bgs, Panuco, Vera Cruz
29 bls, Saturada, Lisbon
CANDELILLA—375 bgs, M Argueso & Co, Panuco, Vera Cruz
CARNAUBA—59 bgs, Strahl & Pitsch, Mormacstar, Bahia
MINERAL—1 bg, American Trader, London
MONTAN—425 bgs, 62,150 lbs, Strohmeyer & Arpe Co, Deutschland, Hamburg
OZOKERITE — 20 bgs, Heemsoth Kerner Corp, Deutschland, Hamburg
50 bgs, Strahl & Pitsch, Deutschland, Hamburg
204 bgs, Batory, Gdynia
SPERMACETTI—100 cs, Caledonia, Glasgow
VEGETABLE—81 bgs, A Hurst & Co, American Trader, London
WINE LEES—88 bgs, Arthur Oulmane & Co, Exchange, Tunis
YEAST — 125 bbls, 16,500 lbs, Deutschland, Hamburg
135 bbls, 19,635 lbs, Vulkan Yeast Co, Deutschland, Hamburg

New York Transit Imports

BARYTES—4 cars, Seatrain New Orleans, Havana, Newark, N J
BUCHU LEAVES—30 bls, Parke, Davis & Co, Manhattan, Southampton, Detroit
GLASS, WINDOW—400 cs, Eastman Kodak Co, Manhattan, Hamburg, Rochester

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GLYCERIN—1 car, Procter & Gamble Co, Seatrain New Orleans, Havana, Port Ivory, S I
OIL, CODLIVER—6 dms, Eastman Kodak Co, Manhattan, Hamburg, Rochester
SPONGES—33 bls, Mexico, Havana, Buenos Aires
VANILLA BEANS—46 cs, M Cortizas & Co, Mexico, Vera Cruz, Philadelphia

Baltimore Imports

ALUMINUM & BRONZE POWDER—10 dms, 4 cs, American Express Co, City of Baltimore, Hamburg
ANTIMONY OXIDE—500 bgs, Black Heron, Antwerp
BRONZE POWDER—11 cs, National Carloading Corp, City of Baltimore, Hamburg
BONEMEAL—1,000 bgs, Argentino, Buenos Aires
CHEMICALS—40 cks, City of Baltimore, Hamburg
353 bgs, F H Shallus Co, City of Baltimore, Hamburg
11 cs, Balto & Ohio RR Co, City of Baltimore, Hamburg
CHROME ORE—2,145 tons, Executive, Thessoloniki
FERRO ALLIAGE—125 cks, City of Baltimore, Havre
CARIUM (FLINTS)—9 cs, Universal Lamp Co, Liberty, London
FISH MEAL—1,000 bgs, Argentino, Buenos Aires
GLYCERIN—99 dms, Kalinin, Novorossisk
IRON ORE—22,000 tons, Bethlehem Steel Co, Chilore, Cruz Grande
21,500 tons, Bethlehem Steel Co, Steelore, Cruz Grande
7,726 tons, Leo J Buck, Luossa, Narvik
22,250 tons, Bethlehem Steel Co, Amerikaland, Cruz Grande
LICORICE ROOT—269 tons, Nyanza, Poti
MAGNESITE (DEAD BURNED)—6,358 bgs, Amtorg Trad Corp, Kalinin, Novorossisk
MANGANESE ORE—6,000 tons, Phila Nat Bank, Brask, Rio Janeiro
7,380 tons, Nyanza, Poti
OIL, FUEL—73,000 bbls, Standard Oil Co, N J, Brarena, Aruba
LUBRICATING—100 dms, Black Heron, Antwerp
PEATMOSS—530 bls, City of Baltimore, Hamburg
300 bls, Black Heron, Rotterdam
PETROLEUM, CRUDE—71,117 bbls, Standard Oil Co, N J, Ketty Brovig, Las Piedras
SHELLAC—25 bgs, Ernebank, Calcutta
SMALTS, PAINTER—4 cs, 1,405 lbs, Oroline Prod Co, City of Baltimore, Hamburg (Chicago)
TANKAGE—871 bgs, Argentino, Buenos Aires

Boston Imports

BARYTES — 397 bgs, Wishnick-Tumpeer, Barbarigo, Trieste
300 bgs, 33,069 lbs, Barbarigo, Genoa
CALCIUM NITRATE — 400 bgs, Synthetic Nitrogen Products Corp, Toledo, Skiensfjord
CHEMICALS — 250 dmjns, 143 bgs, 60,986 lbs, Black Condor, Rotterdam
300 bgs, 60,000 lbs, Black Condor, Antwerp
112 bgs, 25 bbls, 34,359 lbs, Industrial Sales Corp, Black Condor, Antwerp
EMERY, FILLET — 1 cs, Atkinson-Haserick Co, Samaria, Liverpool
POWDER — 40 bgs, 1 cs, Nicholson & Co, American Trader, London
FERTILIZER, CHEMICAL MANURE — 40 bgs, T D Downing Co, American Trader, London
28 bgs, American Express Co, American Trader, London
FISH LIVERS — 1 crtn, from Nova Scotia
1 cs, 1 kg, J A Rich & Co, Yarmouth, Yarmouth
GLUE, BONE — 100 bgs, Laura C, Trieste
MARINE PITCH — 27 dms, 7 crtns, L W Ferdinand & Co, American Trader, London
VEGETABLE — 1 kg, Middlesex Products Co, American Trader, London
GLUESTOCK — 292 bls, 33,839 lbs, E Butterworth & Co, Black Condor, Rotterdam
FISH — 8 pkgs, J R Poole Co, Yarmouth, Yarmouth
11 bgs, Rogers Isinglass & Glue Co, Yarmouth, Yarmouth
HIDE — 76 bls, 10 tons, 1 cwt, 2 qtrs, 18 lbs, American Express Co, Samaria, Liverpool
200 bgs, 15 tons, 2 cwt, 9 lbs, American Express Co, Samaria, Liverpool for Holyoke
GUM, INDUSTRIAL—30 cks, 7,408 lbs, Exochorda, Marseilles
25 cks, 6 tons, 3 cwt, 1 qtr, J P Marston Co, Samaria, Liverpool
LOCUST BEAN—20 bgs, 4,552 lbs, Barbarigo, Genoa
INSECTICIDE, NICOTINE — 2 cs, Davies Turner Co, American Trader, London
IRON, SILICATE—1 csk, 476 lbs, Samaria, Liverpool
MOLASSES — 200 bbls, Boston Molasses Co, Gunoor, Barbados
MYROBALAN EXTRACT, POWD — 325 bgs, 16 tons, 5 cwt, Liberty, Hull
OCHER—25 cks, 15,351 lbs, Reichard-Coulston, Exochorda, Marseilles
10 cks, 6,041 lbs, Exochorda, Marseilles
OIL, CHINAWOOD—100 dms, Peter Maersk, Canton
COCONUT—519 tons, First National Bank, Peter Maersk, Manila
521 tons, Lever Bros, Peter Maersk, Manila
CODLIVER—30 dms, 5 bbls, 148,151 lbs, Liberty, Hamburg
PALM—490 tons, Tanimbar, Belawan-Deli
SOD—25 cks 12,659 lbs, First National Bank, Black Condor, Antwerp
OSSEIN—2,500 bgs, 279,984 lbs, J O Whitten Co, Black Condor, Antwerp
1,000 bgs, 101,765 lbs, Atlantic Gelatine Co, Black Condor, Antwerp
3,737 bgs, 508,729 lbs, Black Condor, Antwerp
PAINT, ENAMEL — 17 cs, 2,822 lbs, Black Condor, Rotterdam
POTASH, MURIATE — 290,826 lbs, First National Bank, Black Condor, Antwerp
SAGE, LEAVES—38 bls, Barbarigo, Trieste
SAGO FLOUR—340 bgs, Tanimbar, Singapore
SALTPETER — 250 bgs, 56,493 lbs, Amtorg Trading Corp, Black Condor, Antwerp
SHELLAC—20 bgs, Liberty, London
SOAP—20 cs, 1,168 lbs, V de Messimy, Exochorda, Marseilles
12 cs, 1,323 lbs, American Express Co, Exochorda, Marseilles
SODA, HYDROSULPHITE—20 kgs, 1 ton, 2 cwt, 16 lbs, Lever Bros, Samaria, Liverpool
50 kgs, 2 tons, 15 cwt, 1 qtr, 17 lbs, Samaria, Liverpool
SULPHITE—60 cks, 7,408 lbs, Black Condor, Antwerp
STARCH, POTATO, POWD — 100 bgs, 22,046 lbs, Arnold Hoffman & Co, Black Condor, Rotterdam
250 bgs, 55,115 lbs, Black Condor, Rotterdam
TALC—100 bgs, Komaki, Osaka
200 bgs, 44,092 lbs, Charles Mathieu, Barbarigo, Genoa
TAPIOCA FLOUR—799 bgs, National City Bank, Kota Radja, Sourabaya
500 bgs, H P Winter & Co, Kota Radja, Cheribon
250 bgs, Kota Radja, Batavia
500 bgs, Bank of New York & Trust Co, Kota Radja, Cheribon
WATER, MINERAL—125 cs, 10,858 lbs, S S Pierce Co, Exochorda, Marseilles
95 cs, S S Pierce Co, American Trader, London
WHITING—500 bgs, 55,115 lbs, T D Downing Co, Black Condor, Antwerp
YELLOW, VERONA — 600 bgs, Whittaker, Clark & Daniels, Laura C, Venice

City of Salisbury Cargo

Salvaged cargo of S S City of Salisbury, wrecked on rock near Graves Light has been forwarded to Montreal via S S City of Hereford.

Houston Imports

ASPHALT—4,737 dms, Janna, Brighton
GLASS, WINDOW—510 cs, Beemsterdijk, Antwerp
LIME, CHLORINATED—50 cs, Michigan, Antwerp
MUSTARD—5 dms, Michigan, Antwerp
PEATMOSS—300 bls, Beemsterdijk, Rotterdam
PEPPER—81 bgs, El Coston, New York
TALC—1,000 bgs, Montello, Genoa

Los Angeles Imports

ACID, CRESYLIC—9,640 lbs, From London
AGAR AGAR—70 lbs, Norden, Kobe
260 lbs, Chichibu, Kobe
ALUM POTASH, CHROME—11,530 lbs, Este, Hamburg
AMMONIA PHOSPHATE—380,800 lbs, Kingsley, Trail
SULPHATE—210,560 lbs, Kingsley, Trail
ANTIMONY ORE—85,000 lbs, From Mexico
ARSENIC—26,400 lbs, San Mateo, Antwerp
BARYTES—56,000 lbs, Chisone, Genoa
BONE MEAL—49,280 lbs, Este, Berlin
BLEACHING POWDER—18,190 lbs, Chisone, Marseilles
28,000 lbs, Seattle, Frankfurt
CALCIUM NITRATE—2,911,160 lbs, Abraham Lincoln, Oslo
CARAWAY SEED—5,500 lbs, Drechtdijk, Haarlem
CASSIA—10,070 lbs, Hoegh Transporter, Padang
CHARCOAL CRAYONS—40 lbs, San Mateo, Paris
CHEMICAL COMPOUND—2,940 lbs, Chichibu, Yokohama
50 lbs, Seattle, Bad Reichanhall
SALT—120 lbs, President Pierce, Hongkong
1,010 lbs, Kansai, Tokyo
CHILLIES—2,500 lbs, Yoshu, Kobe
CINNAMON QUILLS—15,000 lbs, President Pierce, Colombo
5,000 lbs, Hoegh Transporter, Ceylon
CLAY SILACENE—750 lbs, Kingsley, Trail
COALTAR PRODUCTS—30 lbs, Uyo, Yokohama
COCONUT DESIC — 402,730 lbs, President Pierce, Manila
COPRA—1,120,000 lbs, Hoegh Transporter, Phila Isl
705,600 lbs, Minsterland, Phila Isl
MEAL—2,448,000 lbs, Hoegh Transporter, Manila
CUMIN SEED—11,200 lbs, From Port Said
CURICURY NUTS—111,500 lbs, Leikanger, Bahia
DI CALCIUM PHOSPHATE—56,000 lbs, San Mateo, London
DRUGS, CRUDE—90 lbs, Uyo, Yokohama
FERROMANGANESE—112,000 lbs, Abraham Lincoln, Bergen
FERTILIZER—220,000 lbs, Yoshu, Kobe
50,000 lbs, Yoshu, Yokohama
SUBSTANCE—2,240 lbs, Este, Berlin
FILTER PAPER—130 lbs, Yoshu, Yokohama
FISH LIVERS, FROZEN—27,640 lbs, Kansai, Yokohama
32,280 lbs, Kansai, Japan
FLEASEED—4,410 lbs, Chisone, Marseilles
GINGER ROOT — 500 lbs, President Pierce, Hongkong
GLASS, SHEET — 89 cs, 22,920 lbs, Seattle, Prague
GUM, COPAL—3,360 lbs, Este, Belgian Congo
GYPSUM — 7,918,400 lbs, Griffco, San Marcos Island
HEMPSEED MEAL—300,000 lbs, Yoshu, Kobe
HERBS, CRUDE—10 lbs, Norden, Kobe
INK—110 lbs, Yoshu, Kobe
WRITING—260 lbs, President Pierce, Hongkong
INSECTICIDE—11,000 lbs, Drechtdijk, London
MEDICINAL PREPS—450 lbs, Uyo, Yokohama
90 lbs, Uyo, Tokio
MUSTARD, PREP—2,800 lbs, from London
OIL, CHINAWOOD — 58,000 lbs, President Pierce, Hongkong
COCONUT—140,720 lbs, Minsterland, Manila
CODLIVER — 13,500 lbs, Abraham Lincoln, Bergen
HAIR—400 lbs, Uyo, Yokohama
MINERAL—4,030 lbs, Seattle, Hamburg
2,600 lbs, Este, Antwerp
OLIVE—35,840 lbs, from Antwerp
14,400 lbs, Chisone, Leghorn
11,020 lbs, Chisone, Marseilles
PEANUT—2,880 lbs, President Pierce, Hongkong
PERILLA—40,000 lbs, Kansai, Dairen
TEASEED — 82,000 lbs, President Pierce, Hongkong
PAPRIKA—3,250 lbs, from Budapest
PEATMOSS—435,340 lbs, Seattle, Bremen
137,000 lbs, Este, Bremen
35,840 lbs, Erria, Copenhagen
PEPPER, BLACK—11,300 lbs, Hoegh Transporter, Ceylon
WHITE — 11,580 lbs, Hoegh Transporter, Batavia
POTASH, CARBONATE—11,230 lbs, Drechtdijk, Rotterdam
CAUSTIC—24,500 lbs, Este, Berlin
RAPESEED—10,910 lbs, from Danzig
RICE FLOUR—780 lbs, Uyo, Yokohama
1,040 lbs, President Pierce, Hongkong
SAGO FLOUR—11,290 lbs, Hoegh Transporter, Singapore
SALTPETER—5,510 lbs, Este, Hamburg
12,670 lbs, Seattle, Hamburg
SEAWEEDS—150 lbs, Norden, Kobe
200 lbs, Uyo, Yokohama
250 lbs, Kinai, Yokohama
150 lbs, Yoshu, Yokohama
SEEDLAC—4,100 lbs, Silvermaple, Calcutta
SESAME SEED—150 lbs, Uyo, Yokohama
98,700 lbs, President Pierce, Hongkong
100 lbs, Kinai, Yokohama
11,280 lbs, Hoegh Transporter, Amritsar
SODA CYANIDE — 10,000 lbs, Drechtdijk, Amsterdam
SILICOFLUORIDE—22,050 lbs, Este, Copenhagen
SOAP, SADDLE—350 lbs, Salacia, London
SOFT—660 lbs, from Oslo
SOYBEANS—2,500 lbs, Uyo, Yokohama
STARCH, POTATO—200 lbs, Uyo, Yokohama
TAPIOCA FLOUR—145,370 lbs, Hoegh Transporter, Sourabaya
THYME LEAVES—2,210 lbs, from France
TOILET PREPS—300 lbs, from London
WATER—20 lbs, Uyo, Yokohama
TUCUM KERNELS—500,000 lbs, Leikanger, Parnahyba
WAX, MINERAL—56,070 lbs, Hoegh Transporter, Batavia
WHITING—33,830 lbs, Erria, Copenhagen

New Orleans Imports

CHALK — 4,000 sx, Breedijk, Antwerp
CHEMICALS — 49 dms, Breedijk, Antwerp
COPPERAS—13,700 sx, Breedijk, Antwerp
GLASS, WINDOW—481 cs, Breedijk, Antwerp
MUSTARD DROSS — 360 sx, Atlantic Sales Corp, Breedijk, Rotterdam
OIL, COCONUT — 561 tons, Kirisima, Manila
LUBRICATING — 65 dms, Breedijk, Antwerp
OLIVE — 17 csks, 13 cs, Ida, Palermo
PEATMOSS — 500 bls, Marine Midland Trust Co, Breedijk, Rotterdam

Norfolk Imports

BLOOD FLOUR — 1,500 bgs, Atalaia, Rio de Janeiro
COCOA WASTE — 3,047 bgs, 248 tons, Monsanto Chemical Co, Black Falcon, Rotterdam
1,177 bgs, 98 tons, H J Baker & Bros, Black Falcon, Rotterdam
2,666 bgs, 198 tons, Black Falcon, Antwerp
FERTILIZER, NITROGENOUS — 6,003 bgs, Jos C Jett, Edam, Rotterdam
GYPSUM, CRUDE — 3,000 tons, Robertson Chemical Co, Gypsum Queen, Windsor, N S
3,000 tons, Va-Carolina Chemical Co, Gypsum Queen, Windsor, N S
LEATHER, SCRAP — 1,430 bgs, 37 tons, Smith-Rowland Co, Black Falcon, Rotterdam
104 bgs, Smith-Rowland Co, Black Falcon, Rotterdam
PALM, OIL — 760 tons, Brastagi, Belawan
SOYBEAN CONCENTRATE — 5 csks, 2 dms, City of Baltimore, Hamburg

Philadelphia Imports

ACID, CRESYLIC—50 dms, Manchester Producer, Manchester
250 dms, Chase National Bank, Edam, Rotterdam
AMBLYGONITE—222 cs, Foote Mineral Co, Mormacsea, Stockholm
BONE SINEWS—75 bls, Ernebank, Colombo
BRONZE POWDER—6 cs, Keer Maurer Co, Liberty, Hamburg
CANARY SEED—2,500 bgs, Executive, Tekirdag
CARDAMOMS—12 cs, Ernebank, Calcutta
CELERY SEED—50 bgs, Nordhavet, Marseilles
CHALK—564 bgs, Liberty, Hamburg
CHEMICALS—16 cks, Chemnitz, Hamburg
50 cks, J W Hampton Jr & Co, Chemnitz, Hamburg
368 bgs, Chemnitz, Bremen
400 bgs, Advance Solvents & Chemical Corp, Edam, Rotterdam
154 bgs, Chase National Bank, Edam, Rotterdam
50 bbls, Edam, Rotterdam
1,000 dms, Edam, Rotterdam
INTERMEDIATE—75 cks, Chemnitz, Hamburg
COLORS, EARTH—80 cks, Chemnitz, Hamburg
CORK, REFUSE—593 bls, Wicander & Co, Nordhavet, Lisbon
VIRGIN—2 bls, Pablo Calvet & Co, Nordhavet, Lisbon
WASTE—780 bls, Pablo Calvet & Co, Nordhavet, Lisbon
179 bls, Nordhavet, Lisbon
750 bls, Wicander & Co, Nordhavet, Lisbon
1,500 bls, Armstrong Cork Co, Nordhavet, Lisbon
DISTILLATE, COALTAR—30 dms, Monsanto Chemical Co., Manchester Producer, Manchester
ETHYLENE DIBROMIDE—76 dms, Howe Importing Co, Chemnitz, Hamburg
FERROMANGANESE—250,000 kilos, Scanyork, Gdynia
GLASS, MICROSCOPIC SHEET—4 bxs, Arthur H Thomas Co, Liberty, London
WINDOW—50 cs, Liberty, Hamburg
GRAPHITE—626 sks, New York Trust Co, Silversandal, Singapore
500 bgs, New York Trust Co., Ernebank, Colombo
GUM, ARABIC—500 bgs, City of Hereford, Port Sudan
COPAL—212 bskts, National City Bank, Silversandal, Macassar
ILMENITE SAND—4,000 tons, Venice, Koilthottam
3,100 tons, Ernebank, Koilthottam
LEAVES, MEDICINAL—21 bgs, Nordhavet, Marseilles
26 bls, Nordhavet, Marseilles
MOLASSES—816,612 gls, Commercial Molasses Corp, Dora, Havana
OIL, COCONUT—304 tons, Philippine Refining Corp, Silversandal, Cebu
CODLIVER—85 dms, Liberty, Hamburg
110 dms, J A McCarthy, Toledo, Bergen
COTTONSEED—1,331 dms, Clemente, Natal
OLIVE—46 ctns, Nordhavet, Marseilles
4 cs, Nordhavet, Marseilles
PALM—43 cks, Balfour, Guthrie & Co, Edam, Rotterdam
VEGETABLE—50 dms, Edam, Rotterdam
PEATMOSS—1,500 bls, Chemnitz, Bremen
504 bls, Chemnitz, Bremen
1,500 bls, Premier Peat Moss Corp, Scanyork, Copenhagen
1,000 bls, Marine Midland Trust Co, Edam, Rotterdam
PETROLEUM, AVIATION — 1 dm, Esso Laboratories, Liberty, Hull
CRUDE — 98,618 bbls, Gulf Oil Corp, Gulfcrest, Las Piedras
59,907.51 bbls, Atlantic Refining Co, Arthur W Sewall, Tampico
PITCH, COALTAR — 98 dms, Florence Pipe & Foundry Co, Manchester Producer, Manchester
POLISH, METAL — 15 cs, R T French Co, Liberty, Hull
POPPYSEED—100 bgs, Liberty, Hull
PYRITES ORE—8,456 tons, Speybank, Huelva
SALTPETER—454 bgs, Chemnitz, Bremen
SEAWEED — 120 bgs, Brown Bros-Harriman & Co, Liberty, Hamburg
SHELLAC — 10 cs, Bankers Trust Co, Ernebank, Calcutta
SODA HYDROSULPHITE — 50 bgs, Liberty, Hamburg
SOOT — 115 csks, Chas A Wagner & Sons Co, Edam, Rotterdam
VANILLA BEANS — 12 cs, Cie Gli Transatlantique, Nordhavet, Marseilles
WAX, CARNAUBA — 25 bgs, Clemente, Parnaiba
WOODFLOUR — 2,250 bgs, B L Soberski, Toledo, Fredikstad

Portland, Ore., Imports

COPRA — 200 tons, Durkee Famous Foods, Corneville, Zamboanga
572 tons, Durkee Famous Foods, Corneville, Cebu
GUM, DAMMAR—15 cs, H M Newhall & Co, Silvermaple, Singapore
OIL, CHINAWOOD — 50 dms, D Hecht & Co, Corneville, Hongkong
PLANT WASH — 89 csks, Loch Monar, London

SOAP, SADDLE—1 cs, Geo S Bush & Co, Loch Monar, London
SODA CYANIDE — 300 cs, American Cyanamid & Chemical Corp, Loch Monar, Rotterdam

San Francisco Imports

ACID, CRESYLIC—1 cs, Marshall Dill, Salacia, Glasgow
AGRIMONA HERB—1 pkg, Natures Herb Co, Este, Hamburg
AMMONIA CARBONATE—15 dms, Salacia, Glasgow
ANGELICA ROOT—2 sks, Natures Herb Co, Este, Hamburg
BLEACHING POWDER—135 dms, Wilson & George Meyer & Co, Seattle, Antwerp
BRISTLES—24 cs, F H Cone & Co, President Pierce, Hongkong
CALCIUM NITRATE—10,092 sks, Wilson & George Meyer & Co, Abraham Lincoln, Heroen-Porsgrund
CASSIA—200 bls, Knickerbocker Mills Co, President Pierce, Hongkong
BUDS—25 cs, Wah Young Co, President Pierce, Hongkong
CHARCOAL—40 bdls, K Sakai & Co, Yoshu, Yokohama
CHEMICALS—39 cks, Advance Solvents & Chemical Corp, Abraham Lincoln, Heroen-Porsgrund
120 dms, Wilson & George Meyer & Co, Seattle, Antwerp
CINNAMON—100 bls, D Hecht & Co, President Pierce, Hongkong
50 bls, Willits & Co, President Pierce, Hongkong
CLOVES—150 sks, Abraham Lincoln, Oslo
155 sks, President Pierce, Hongkong
COCOA BEANS—50 sks, Vandel Commercial Co, Este, Cristobal
COCONUT, DESIC—1,551 cs, Wood & Selick, President Pierce, Manila
135 cs, M S Cowen Co, President Pierce, Manila
1,082 cs, Dodwell & Co, President Pierce, Manila
928 cs, Durkee Famous Foods, President Pierce, Manila
1,047 cs, Philippine Desiccated Coconut Corp, President Pierce, Manila
1,500 cs, General Foods Sales Corp, President Pierce, Manila
774 cs, Balfour, Guthrie & Co, President Pierce, Manila
700 cs, J E Lowden, President Pierce, Manila
COLORS—2 cs, W J Byrnes & Co, Seattle, Hamburg
DANDELION ROOT—2 sks, Natures Herb Co, Este, Hamburg
DEGRAS—30 dms, L H Butcher & Co, Salacia, Liverpool
FERTILIZER (93% DI-AMMONIUM PHOSPHATE AND 7% AMMONIA SULPHATE) — quantity, Wilson & George Meyer & Co, Seattle, Hamburg
FENNEL SEED—2 sks, Natures Herb Co, Este, Hamburg
FERROMANGANESE—200 tons, Electro Metallurgical Co, Abraham Lincoln, Oslo
FILTER COMPOUND—11 bls, A Gusmer & Co, Seattle, Hamburg
GINGER ROOT—20 sks, Yoshu, Shimizu
87 pkgs, President Pierce, Hongkong
GLASS, WINDOW—5 cs, Salacia, Liverpool
GOURMET POWDER — 15 bdls, President Pierce, Hongkong
GUM, COPAL—48 sks, France, Campbell & Darling, Yoshu, Manila
HERBS, DRIED—5 bls, Fung Chong, President Pierce, Hongkong
2 bls, Ying Fat Lung, President Pierce, Hongkong
INK—5 cs, Chong Sing Co, President Pierce, Hongkong
10 cs, Kwong Yick, President Pierce, Hongkong
JACCEAE HERB—2 sks, Natures Herb Co, Este, Hamburg
LOOFAHS—22 bls, American Sponge & Chamios Co, Yoshu, Yokohama
MEDICINAL PREPS — 2 cs, Mutla Supply Co, Yoshu, Kobe
19 pkgs, Tai Sang Tong, President Pierce, Hongkong
2 cs, Fung Chong, President Pierce, Hongkong
2 cs, Chong Sing Co, President Pierce, Hongkong
1 cs, Chew Chong Tai, President Pierce, Hongkong
22 pkgs, Hi Wo Hong, President Pierce, Hongkong
7 pkgs, Fook Woo Tong, President Pierce, Hongkong
94 pkgs, Tin Bow Tong, President Pierce, Hongkong
2 cs, Wing Hing Chong, President Pierce, Hongkong
OIL, CODLIVER—35 dms, Abraham Lincoln, Oslo
LUBRICATING—10 dms, Kuhne Libby Co, Seattle, Antwerp
PALM, REFD AND EDIBLE—10 dms, 50 cs, Royal Bank of Canada, Salacia, Liverpool
VEGETABLE — 60 dms, S L Jones & Co, Yoshu, Kobe
PAPRIKA—50 sks, McClintock-Stern Co, Este, Hamburg
100 sks, S H Tyler & Son, Este, Hamburg
25 sks, R T French Co, Seattle, Hamburg
25 sks, H Schoenfeld & Sons, Seattle, Hamburg
200 sks, A Schilling & Co, Seattle, Hamburg
PEATMOSS—160 bls, Salacia, Glasgow
250 bls, Peat Import Corpn, Este, Bremen
POPLAR BARK — 4 sks, Natures Herb Co, Este, Hamburg
POTASH, CHLORATE — 250 dms, Uniform Chemical Products, Seattle, Hamburg
SAGE, LEAVES — 1 sk, Natures Herb Co, Este, Hamburg
SESAME SEED—140 sks, S L Jones & Co, Inc, President Pierce, Hongkong
SOAP—1 cs, Frank P Dow Co, Inc, Seattle, Bremen
SPIEGELEISEN—300 tons, Electro Metallurgical Co, Abraham Lincoln, Oslo

Seattle Imports

ACID, CITRIC—20 cs, Makiki, Honolulu
CORKS—46 sks, Mundet Cork Corpn, Loch Goil, Rotterdam
PEATMOSS—200 bls, East Asiatic Co, Canada, Copenhagen
SODA, NITRATE—7,947 sks, Guaranty Trust Co of N Y, Condor, Tocopilla

Tacoma Imports

CORKS — 16 sks, Mundet Cork Corpn, Loch Goil, Rotterdam
SODA NITRATE—998 sks, Guaranty Trust Co of N Y, Charcas, Tocopilla

Tampa Imports

CASTOR MEAL—1,336 bgs, Ida, Fiume

Exports from U.S. Ports

New York Exports

Clearance Dates

Almena, April 21; American Merchant April 29; Ancon, May 3; Aobasan, April 29; Astri, April 29; Belvedere, May 2; Bergensfjord, May 3; Black Gull, May 3; Black Tern, April 26; Bonheur, April 29; Borinquen, April 28; Buenaventura, April 26; Cameronia, May 4; Chiriqui, April 30; City of Manila, April 30; City of Worcester, April 27; Coamo, May 5; Columbus, April 30; Cubano, May 7; Examiner, April 30; Exermont, April 27; Exeter, April 26; Frida, April 28; Hamburg, April 27; Helga, May 6; Henri Jasper, April 29; Ile France, April 25; J B Malone, April 26; Jamaica, May 4; Kanto, April 26; Kimakawa, April 29; Manaar, April 20; Manaqui, April 30; Marian Otis Chandler, April 25; Musa, May 6; Nagara, May 4; New York, May 4; Paris, April 29; Pennland, April 29; Pocone, May 3; Porto Rico, April 23; President Roosevelt, April 26; Primo, April 22; Samaria, April 22; San Gil, May 4; San Juan, April 30; Santa Barbara, May 6; Santa Clara, April 29; Sarcoxie, May 6; Schodack, May 6; Schodack, April 28; Scythia, April 29; Statendam, April 26; Steel Trader, April 26; The Angeles, April 25; Thule, May 5; Triton, April 29; Vasaland, April 30; Washington, May 3

ACETATE—2,640 lbs, Black Tern, Antwerp
ACETONE—13,280 lbs, Black Gull, Antwerp
ACID, CITRIC—1,200 lbs, Santa Clara, Arica; 128 lbs, Chiriqui, Pacasmayo
MURIATIC—(San Juan) 17,794 lbs, Barahona; 12,000 lbs, Arecibo; 3,800 lbs, Jamaica, Kingston
STEARIC—12,120 lbs, Thule, Buenos Aires
TARTARIC—272 lbs, Aobasan, Moji; 35,513 lbs, The Angeles, Rio Janeiro; 2,433 lbs, Frida, Buenaventura
TOBIAS—1,305 lbs, Black Tern, Antwerp
ALCOHOL, BUTYL — 660 gls, Bergensfjord, Trondhjem; 330 gls, Black Tern, Antwerp-Rotterdam
ISOPROYL — 165 gls, Black Tern, Antwerp-Rotterdam
ALLYL CHLORIDE — 906 lbs, Black Tern, Antwerp
ALUMINA CHLORIDE — 30,314 lbs, Aobasan, Dairen
SULPHATE — 10,100 lbs, Primo, Trinidad
ANTIOXIDANT — 32,725 lbs, Manaar, Avonmouth
ASPHALT — 408,848 lbs, Exermont, Piraeus; 22,112 lbs, Schodack, Havre; 631,610 lbs, City of Worcester, Colombo; 672,821 lbs, Borinquen, San Juan; (San Juan) 345,770 lbs, Barahona; 597,027 lbs, Arecibo; 155,678 lbs, San Jacinto, Mayaguez; (Aobasan) 1,939,257 lbs, Yokohama; 645,818 lbs, Kobe; 227,400 lbs, Moji; 2,845 lbs, Henri Jasper, Antwerp; (The Angeles) 245,837 lbs, Rio Janeiro; 22,646 lbs, Buenos Aires; 29,126 lbs, Fenniand, Rotterdam; 22,575 lbs, American Trader, London; (Nagara) 1,937,104 lbs, Yokohama; 598,223 lbs, Kobe
LIQUID — (Bergensfjord) 12,461 lbs, Trondhjem; 50,580 lbs, Oslo; 30,055 lbs, Sarcoxie, Dunkirk
BENZOL — 2,750 gls, Astri, Buenos Aires
BLUE, LAUNDRY — 3,060 lbs, Santa Elena, Porto Colombia; (San Gil) 3,054 lbs, Porto Limon; 1,209 lbs, Puntarenas
BLUE, ULTRAMARINE—1,806 lbs, Santa Elena, Porto Colombia
VITRIOL — 22,400 lbs, Santa Clara, Buenaventura; 2,217 lbs, Helga, Guayaquil; 20,158 lbs, Frida, Buenaventura
BUTYL ACETATE — 2,446 lbs, Bergensfjord, Trondhjem; 7,497 lbs, Black Tern, Antwerp-Rotterdam; 13,260 lbs, Black Gull, Rotterdam
CADMIUM METAL — 11,760 lbs, American Trader, London
CALCIUM ARSENATE — 22,752 lbs, Frida, Paita
CARBIDE — 10,582 lbs, Almena, Ciudad
CHLORIDE — 20,800 lbs, Chiriqui, Havana
CHALK, PRECIP — 57,120 lbs, Manaar, Avonmouth
CHEMICALS — 6,477 lbs, Samaria, Liverpool; 1,563 lbs, Schodack, Havre; 4,885 lbs, Ile de France, Havre
CLAY — 20,400 lbs, Washington, Hamburg
COALTAR, INTERMEDIATES — 1,919 lbs, Hamburg, Hamburg
CORN FLOUR—5,500 lbs, Cameronia, Glasgow; 62,040 lbs, Triton, Hongkong; 70,500 lbs, Santa Elena, Porto Colombia; 998 lbs, Helga, Paita; 19,850 lbs, Frida, Salaverry
SUGAR—2,538 lbs, Bergensfjord, Oslo; 4,466 lbs, Sarcoxie, Dunkirk; 24,360 lbs, Black Gull, Antwerp
SUGAR, ANHYD—20,300 lbs, Manaar, Avonmouth
SYRUP—750 lbs, Manaqui, St Johns; 2,309 lbs, Buenaventura, Callao; (Marian Otis Chandler) 2,250 lbs, Honolulu; 656 lbs, Hilo; 6,010 lbs, Triton, Manila; (Helga) 3,042 lbs, Buenaventura; 15,250 lbs, Callao; (Frida) 3,027 lbs, Buenaventura; 15,305 lbs, Guayaquil
DEXTRIN, CORN—29,100 lbs, Astri, Buenos Aires
DIBUTYL PHTHALATE — 12,424 lbs, Henri Jasper, Antwerp
DICHLORODIFLUOROMETHANE — 2,564 lbs, Henri Jasper, Antwerp
DIETHYL SULPHATE—1,190 lbs, Black Tern, Antwerp-Rotterdam
DISINFECTANT — 4,189 lbs, Jamaica, Cartagena
CREOSOTE—4,310 lbs, Almena, Ciudad
DRUGS—1,541 lbs, Sarcoxie, Havre; 6,544 lbs, American Merchant, London
DYES—12,415 lbs, City of Worcester, Bombay; 6,438 lbs, Henri Jasper, Antwerp; 34,654 lbs, Black Tern, Antwerp; 1,101 lbs, President Roosevelt, Hamburg; 1,551 lbs, The Angeles, Rio de Janeiro; (Washington) 763 lbs, Havre; 524 lbs, Hamburg
ANILIN—6,955 lbs, Samaria, Liverpool
ETHYL FLUID—2,200 gls, Astri, Santos
ETHYLENE DICHLORIDE—79,514 lbs, Kanto, Yokohama
FERTILIZER—(Marian Otis Chandler) 1,813,036 lbs, Honolulu; 304,800 lbs, Hilo; 609,600 lbs, Kahului; 10,100 lbs, San Gil, Port Limon
FLOTATION REAGENT—54,100 lbs, Aobasan, Yokohama
GASOLINE—38,500 gls, City of Manila, Fremantle; 148,500 gls, Nagara, Yokohama
GLASS, PLATE—5,420 lbs, Chiriqui, Havana
GLUCOSE—602 lbs, City of Worcester, Rangoon; 9,501 lbs, American Merchant, London
GLUE, PRESERVER — 6,390 lbs, Manaar, Liverpool
GOLDEN SEAL ROOT—1,077 lbs, Washington, Havre
GRAPHITE — 13,725 lbs, Bergensfjord, Oslo; 11,220 lbs, American Merchant, London
GREASE, ANIMAL — 44,695 lbs, Black Gull, Antwerp
LUBRICATING — (Exeter) 48,880 lbs, Marseilles; 898 lbs, Haifa; 6,020 lbs, Exermont, Istanbul; 12,691 lbs, Samaria, Liverpool; 2,320 lbs, Buenaventura; 2,882 lbs, Manaar, Liverpool; 707 lbs, Astri, Santos; 127,841 lbs, Hamburg, Hamburg; 30,571 lbs, Kanto, Yokohama; 2,500 lbs, City of Worcester, Madras; (City of Manila) 4,846 lbs, Brisbane; 10,185 lbs, Sydney; 30,280 lbs, Fremantle; 6,999 lbs, Columbus, Bremen; (Aobasan) 138,369 lbs, Osaka; 11,800 lbs, Moji; (Bergensfjord) 442 lbs, Trondhjem; 2,385 lbs, Oslo; 1,812 lbs, Pocone, Santos; (Sarcoxie) 9,275 lbs, Havre; 26,159 lbs, Dunkirk; 30,623 lbs, Cameronia, Glasgow; (The Angeles) 36,138 lbs, Buenos Aires; 6,059 lbs, Montevideo; 115,067 lbs, Scythia, Liverpool; 1,846 lbs, American Merchant, London; 30,146 lbs, Triton, Manila; (Nagara) 5,136 lbs, Yokohama; 85,600 lbs, Kobe; (Helga) 9,658 lbs, Tocopilla; 6,809 lbs, Guayaquil; 5,580 lbs, Chiriqui, Havana; 14,520 lbs, Washington, Hamburg
INFUSORIAL EARTH — (President Roosevelt) 110,200 lbs, Havre; 110,100 lbs, Hamburg; 82,860 lbs, American Merchant, London
INK, PRINTING — (The Angeles) 10,402 lbs, Montevideo; 15,553 lbs, Buenos Aires; 10,392 lbs, Jamaica, Porto Colombia
INSECTICIDE, AGRICULTURAL — 6,304 lbs, Examiner, Algiers; 15,285 lbs, Exermont, Izmir; 17,485 lbs, American Trader, London; 3,075 lbs, Chiriqui, Havana
HOUSEHOLD — 11,350 lbs, Marion Otis Chandler, Honolulu
IODINE, CRUDE — 660 lbs, Ile de France, Havre
ISOPROPYL ACETATE — 12,960 lbs, Sarcoxie, Havre
LACQUER — 4,615 lbs, Exeter, Haifa; 4,660 lbs, Exermont, Istanbul; 882 lbs, Hamburg, Oslo; 4,801 lbs, Columbus, Helsingfors
THINNER — (Exeter) 4,400 gls, Jaffa; 3,245 gls, Tel Aviv
LARD—43,000 lbs, Exermont, Malta; 63,770 lbs, Manaar, Liverpool; 18,450 lbs, Hamburg, Hamburg; 6,080 lbs, Borinquen, San Juan; 15,118 lbs, Porto Rico, San Juan; 18,197 lbs, Black Tern, Antwerp; 16,000 lbs, Scythia, Liverpool; 5,025 lbs, Penniand, Southampton; 113,812 lbs, American Trader, London; 65,727 lbs, American Merchant, London; 22,120 lbs, Coamo, San Juan; 19,750 lbs, San Gil, Puntarenas; 70,875 lbs, Chiriqui, Havana; 55,800 lbs, Washington, Hamburg; 9,337 lbs, New York, Vilpuri
LEAD, RED—43,575 lbs, The Angeles, Buenos Aires
WHITE—23,784 lbs, The Angeles, Buenos Aires
LINSEED CAKE—1,019,883 lbs, Manaar, Liverpool; 452,513 lbs, Schodack, Bordeaux; (Sarcoxie) 223,989 lbs, Havre; 227,873 lbs, Dunkirk; 1,416,454 lbs, Henri Jasper, Antwerp; (Black Tern) 2,255,323 lbs, Antwerp; 1,127,154 lbs, Antwerp-Rotterdam; 1,644,579 lbs, Black Gull, Antwerp
LITHARGE—17,640 lbs, The Angeles, Buenos Aires
LITHOPONE—21,500 lbs, Manaar, Liverpool; 4,300 lbs, Cameronia, Glasgow
MAGNESIA—(Aobasan) 44,659 lbs, Yokohama; 178,902 lbs, Kobe
NAPHTHA—126,000 gls, Bonheur, Asuncion; 2,750 gls, Astri, Buenos Aires; 4,000 gls, Pocone, Santos
OIL, CASTOR—1,490 lbs, Black Tern, Antwerp; 496 lbs, San Juan, Aguadilla; 500 lbs, Borinquen, San Juan; 2,471 lbs, Bergensfjord, Oslo; 525 lbs, Coamo, Ciudad
COOKING—4,272 lbs, San Jacinto, San Juan
COCONUT—4,459 lbs, Chiriqui, Havana
CORN—430 lbs, Marian Otis Chandler, Honolulu; 8,882 lbs, San Jacinto, San Juan
EDIBLE—4,463 lbs, Helga, Guayaquil
FISH—1,295 lbs, Black Gull, Antwerp
LUBRICATING—(Exeter) 8,540 gls, Marseilles; 7,985 gls, Tunis; 7,975 gls, Alexandria; 275 gls, Beirut; 550 gls, Haifa; (Manaqui) 3,590 gls, St Johns; 3,300 gls, Halifax; (Examiner) 5,500 gls, Casablanca; 7,005 gls, Oran; 2,145 gls, Algiers; 1,100 gls, Bone; (Exermont) 9,350 gls, Piraeus; 1,375 gls, Salonica; 25,805 gls, Istanbul; 30,250 gls, Bonheur, Asuncion; 20,075 gls, Astri, Santos; 38,826 gls, Hamburg, Hamburg; 12,100 gls, Kanto, Kobe; (City of Worcester) 3,025 gls, Bombay; 13,750 gls, Madras; 23,265 gls, Rangoon; 93,225 gls, Calcutta; 3,570 gls, Marian Otis Chandler, Honolulu; 2,310 gls, Borinquen, San Juan; (City of Manila) 41,690 gls, Brisbane; 34,875 gls, Sydney; 11,620 gls, Melbourne; 6,160 gls, Adelaide; 9,020 gls, Fremantle; (Santa Clara) 2,250 gls, Buenaventura; 33,550 gls, Valparaiso; 6,600 gls, Puntarenas; (Ancon) 7,535 gls, Callao; 2,860 gls, Cutuco; (Aobasan) 201,300 gls, Yokohama; 28,325 gls, Kobe; (Bergensfjord) 8,736 gls, Trondhjem; 22,512 gls, Oslo; (Sarcoxie) 24,864 gls, Havre; 77,616 gls, Dunkirk; 6,297 gls, Cameronia, Glasgow; (Belvedere) 9,366 gls, Genoa; 3,696 gls, Naples; 3,575 gls, Henri Jasper, Switzerland; 26,500 gls, Ile de France, Havre; (Paris) 1,650 gls, Dunkirk; 5,390 gls, Havre; (Black Tern) 14,950 gls, Antwerp; 3,850 gls, Strassbourg; (President Roosevelt) 420 gls, Hamburg; 5,850 gls, Prague; 25,386 gls, Havre; (The Angeles) 22,431 gls, Rio de Janeiro; 3,009 gls, Santos; 8,975 gls, Montevideo; 4,015 gls, Buenos Aires; 30,165 gls, Scythia, Liverpool; (Kimikawa) 10,340 gls, Yokohama; 1,100 gls, Takao; (Vasaland) 1,560 gls, Stockholm; 550 gls, Helsinki; 660 gls, Pennland, Antwerp; 10,175 gls, American Trader, London; 32,549 gls, American Merchant, London; 18,840 gls, Triton, Manila; 13,650 gls, Black Gull, Antwerp; (Nagara) 1,540 gls, Yokohama; 825 gls, Tientsin; 4,400 gls, Moji; 1,430 gls, Dairen; 24,420 gls, Kobe; 54,835 gls, Osaka; 825 gls, Thule, Porto Alegre; 5,500 gls, Cubano, Rio Grande; (Samaria) 3,575 gls, Liverpool; 1,650 gls, Calcutta; 1,375 gls, Karachi; 308 gls, Bombay; 1,890 gls, Primo, Martinique; 1,760 gls, Manaar, Liverpool; (Schodack) 16,632 gls, St Nazaire; 49,799 gls, Bordeaux; (Helga) 7,085 gls, Mollendo; 9,570 gls, Tocopilla; 1,540 gls, Antofagasta; 2,410 gls, Coquimbo; 18,535 gls, Valparaiso; 1,375 gls, Talcahuano; 29,300 gls, Orizaba, Vera Cruz; 1,385 gls, Almena, Ciudad; 4,530 gls, San Gil, Panama; (Frida) 2,640 gls, Guayaquil; 11,770 gls, Antofagasta; 15,455 gls, Valparaiso; (Washington) 21,000 gls, Havre; 630 gls, Pragua; 210 gls, Hamburg; 1,920 gls, Steel Trader, Baghdad; 20,496 gls, New York, Hamburg
NEATSFOOT—2,453 lbs, Bergensfjord, Trondhjem
OLEO—7,076 lbs, Samaria, Liverpool; 13,064 lbs, Cameronia, Glasgow; 96,396 lbs, Black Gull, Antwerp
PATCHOULI—952 lbs, American Trader, London; 13,064 lbs, Cameronia, Glasgow
PEPPERMINT—2,400 lbs, New York, Hamburg
VALVE—3,410 gls, Orizaba, Vera Cruz
PAINT—55,542 lbs, Schodack, Havre; 1,100 lbs, Astri, Buenos Aires; 10,555 lbs, Bonheur, Asuncion; 3,429 lbs, Marian Otis Chandler, Honolulu; (San Juan) 3,900 lbs, Guanica; 7,613 lbs, Jobos; 8,590 lbs, Henri Jasper, Antwerp; 4,846 lbs, American Trader, London; 4,356 lbs, Coamo, San Juan
THINNER—880 gls, Schodack, Havre; 1,540 gls, The Angeles, Buenos Aires
PARAFFIN—(Exermont) 38,810 lbs, Malta; 11,077 lbs, Salonica; 22,687 lbs, Manaar, Liverpool; (Schodack) 55,542 lbs, Havre; 11,121 lbs, Bordeaux; (Astri) 9,856 lbs, Santos; 1,420 lbs, Buenos Aires; 22,476 lbs, Hamburg, Hamburg; (Santa Clara) 22,151 lbs, Champerico; 11,180 lbs, La Union; 32,880 lbs, Buenaventura; 50,365 lbs, Guayaquil; 98,675 lbs, Arica; 2,224 lbs, Bergensfjord, Oslo; 41,375 lbs, Belvedere, Naples; (Santa Barbara) 50,110 lbs, Pimentel; 32,806 lbs, Buenaventura; (Santa Elena) 22,151 lbs, Porto Colombia; 124,286 lbs, Porto Colombia; (Helga) 11,077 lbs, Guayaquil; 21,933 lbs, Valparaiso; 50,750 lbs, Orizaba, Vera Cruz; 67,313 lbs, San Gil, Port Limon; 20,201 lbs, Chiriqui, Havana; 24,544 lbs, New York, Hamburg
REFINED—11,130 lbs, Cameronia, Glasgow
SCALE—48,679 lbs, Cameronia, Glasgow; 170,415 lbs, Vasaland, London; 12,264 lbs, Black Gull, Antwerp
PETROLEUM, REFD—(Almena) 10,000 gls, La Romana; 7,000 gls, Sanchez; (San Juan) 15,000 gls, Porto Plata; 6,000 gls, San Pedro; 5,000 gls, Ancon, Ciudad
PHOSPHATE ROCK—664 tons, J B Malone, Port Colborne
POTASH, CAUSTIC — 2,200 lbs, Coamo, San Juan
XANTHATE—48,010 lbs, Manaqui, St Johns; 11,714 lbs, Exeter, Cette
RESIN—19,101 lbs, American Merchant, London
SYNTHETIC—1,120 lbs, Samaria, Liverpool; 6,380 lbs, President Roosevelt, Havre; 9,838 lbs, Scythia, Liverpool; (Washington) 4,902 lbs, Havre; 701 lbs, Hamburg
SOAP—5,300 lbs, Marian Otis Chandler, Honolulu; 18,163 lbs, San Jacinto, San Juan; 38,900 lbs, Coamo, San Juan
LAUNDRY — 11,500 lbs, Coamo, San Juan; 40,911 lbs, San Gil, Panama
SODA, ASH—(Exermont) 286,660 lbs, Istanbul; 290,715 lbs, Izmir; 26,560 lbs, Samaria, Liverpool; 35,350 lbs, Manaar, Liverpool
BICARBONATE — (Santa Elena) 22,604 lbs, Porto Cabello; 45,280 lbs, Porto Colombia
CAUSTIC — 17,080 lbs, Exermont, Izmir; 46,670 lbs, Buenaventura, Mazatlan; 17,912 lbs, Almena, Ciudad; 232,000 lbs, Astri, Buenos Aires; 46,618 lbs, Almena, Ciudad; 4,650 lbs, Kanto, Yokohama; 65,542 lbs, City of Worcester, Karachi; 25,146 lbs, Santa Clara, Buenaventura; 17,197 lbs, San Juan; Barahona; 698,858 lbs, Pocone, Santos; 26,264 lbs, The Angeles, Santos; (Cubano) 27,543 lbs, Rio Grande; 390,104 lbs, Buenos Aires; 11,050 lbs, Thule, Porto Alegre; 22,545 lbs, Frida, Valparaiso; (Chiriqui) 8,700 lbs, Havana; 21,540 lbs, La Libertad; 5,350 lbs, Jamaica, Porto Colombia
CAUSTIC, FLAKE—168,751 lbs, Marian Otis Chandler, Hilo
CAUSTIC, SOLID — 23,645 lbs, Helga, Valparaiso; 4,302 lbs, Musa, Santa Marta
HYPOSULPHITE—2,262 lbs, Jamaica, Porto Colombia
SILICATE—32,750 lbs, Borinquen, San Juan
STARCH—600 lbs, San Jacinto, San Juan
CORN—460 lbs, Manaqui, St Johns; 922 lbs, Buenaventura; 9,165 lbs, City of Worcester, Colombo; 8,025 lbs, Marian Otis Chandler, Honolulu; 42,300 lbs, Santa Clara, Callao; 600 lbs, San Jacinto, San Juan; 3,525 lbs, Triton, Manila
SULPHANILAMIDE — 2,589 lbs, Black Tern, Antwerp
TALC—44,800 lbs, Samaria, Liverpool; 22,220 lbs, Bergensfjord, Oslo; 44,800 lbs, California, Glasgow
TALLOW—(Almena) 29,132 lbs, Ciudad; 102,542 lbs, Ciudad
TITANIUM PIGMENTS—12,340 lbs, American Merchant, London
TRICHLORETHYLENE—2,553 lbs, Astri, Rio de Janeiro
TURPENTINE—2,500 gls, Bonheur, Asuncion; 1,500 gls, Pocone, Rio de Janeiro; 250 gls, Thule, Buenos Aires; 1,000 gls, Cubano, Buenos Aires
WITCH HAZEL EXTRACT—4,902 lbs, Washington, Havre

Baltimore Exports

Clearance Dates

Black Falcon, May 9; Cubano, May 2; Cissy, May 11; City of Norfolk, May 5; Kiyokawa, May 9; Penrith Castle, May 5; Robin Adair, May 6; San Rafael, May 6; Segundo, May 2; Tiradentes, May 5

ACETOACETANILIDE—1,200 lbs, Black Falcon, Holland
ACETOACETORTHOTOLUIDIDE — 250 lbs, Black Falcon, Holland
ASBESTOR FIBER—6 tons, Cubano, Buenos Aires
BENZOL—(Segundo) 2,010 lbs, Sao Paulo; 5,200 gls, Buenos Aires
COLOR, DRY—75 lbs, Black Falcon, Antwerp
DEXTRIN—4,000 lbs, Robin Adair, Durban
GREASE, LUBRICATING—7,800 lbs, Mormacsea, Helsingfors; (Black Falcon) 8,875 lbs, Brussels; 8,165 lbs, Rotterdam
INSECTICIDE—495 lbs, Tiradentes, Rotterdam
IRON, SAND—48,400 lbs, Segundo, Buenos Aires
PAINT MATERIAL—465 lbs, San Rafael, Cristobal
PARAFFIN—33,000 lbs, Penrith Castle, Manila; 33,000 lbs, Cissy, Havre
PORCELAIN ENAMEL FRIT—3,800 lbs, Black Falcon, Antwerp
MOLASSES—825 gls, Mormacsea, Aarhus
OIL, CREOSOTE—500 gl, San Rafael, France Field
ENGINE—343 bbls, Tiradentes, Newcastle
LUBRICATING—8,401 gls, 96 bbls, City of Norfolk, London; 332 bbls, Mormacsea, Prague; 800 gls, Black Falcon, Rotterdam
MINERAL—4,860 gls, City of Norfolk, London
PEPPERMINT—1,800 lbs, City of Norfolk, London
POTASH BICHROMATE—742 lbs, City of Norfolk, Memel
PURIFYING COMP—36,632 lbs, City of Norfolk, Herts
PUTTY—1,200 lbs, City of Norfolk, London
TIN OXIDE—50 lbs, Black Falcon, Antwerp
TOLUOL—796 lbs, Segundo, Sao Paulo
XYLOL—394 lbs, Segundo, Sao Paulo

Beaumont Exports

Clearance Dates

Altair, May 2; Kollbjorg, May 1

KEROSENE—10,120 bbls, Kollbjorg, Santos
PETROLEUM, CRUDE — 71,331 bbls, Altair, Hamburg

Boston Exports

Clearance Dates

American Importer, May 8; California, May 12; Carinthia, May 8; City of Hereford, May 9; Irene Myrtle, May 13; Iriona, May 12; Metapan, May 16; Yarmouth, May 7, 12

BLUE, LAUNDRY—2 cs, 120 lbs, Yarmouth, Halifax
BORAX — 20 sks, 2,000 lbs, Yarmouth, Charlottetown
CEMENT, RUBBER—1 cs, 48 lbs, Iriona, Havana
CINNAMON QUILLS—50 bls, 4,850 lbs, Iriona, Havana
COLOR, BLACK, DRY—4 bxs, 200 lbs, Yarmouth, Moncton, N B
DISINFECTANT, COALTAR—15 bbls, 550 gls, Iriona, Havana
DRESSING, SHOE—2 bbls, and 1 cs, 931 lbs, Iriona, Havana
DRUGS—3 bgs, 276 lbs, Yarmouth, Middleton, N S
GLUE—1 crtn, 9 lbs, Iriona, Havana
GUM, LIQ—1 cs, 167 lbs, Iriona, Havana
INK, PRINTING—100 dms, 44,586 lbs, California, Glasgow; 1 bbl, 302 lbs, Yarmouth; 16 pls, 830 lbs, Iriona, Havana
WRITING—25 crtns, 50 lbs, Iriona, Havana
LARD—60 trcs, 350 bxs, 32,159 lbs, Carinthia, Liverpool; 25 trcs, 9,413 lbs, California, Glasgow
LINING COMP—9 crtns, 730 lbs, Yarmouth, Yarmouth; 12 dms, 5,664 lbs, Iriona, Havana
MEDICINAL PREPS—1 cs, 53 lbs, Metapan, Balboa
MUCILAGE—24 crtns, 486 lbs, Iriona, Havana
OIL, LUBRICATING—2 cs, 45 gls, Carinthia, Liverpool; 1 cs, 5 gls, Yarmouth, Digby, N S
PASTE, LIBRARY—38 crtns, 962 lbs, Iriona, Havana
PLASTER—11 crtns, 655 lbs, Yarmouth, Yarmouth
POLISH, SHOE — 1 cs, 60 lbs, Metapan Panama; 61 bxs, Iriona, Havana
STOVE—(Yarmouth) 83 cs, 1,802 lbs, St John, N B; 5 crtns, 160 lbs, Yarmouth, N S
SODA, PHOSPHATE — 3 bbls, 975 lbs, Yarmouth, St John, N B
SULPHUR FLOUR—400 bgs, 40,000 lbs, Yarmouth, Aylesford, N S
SUPERPHOSPHATE—704,570 lbs, Irene Myrtle, St John, N B
WITCH HAZEL EXTRACT — 1 bbl, 50 gls, Yarmouth, St John, N B

Corpus Christi Exports

Clearance Dates

Chilbar, April 28; Gylfe, April 30; Onaba, April 22; Roxane, April 27; Teddy, April 29

GASOLINE—70,546 bbls, Onaba, Foreign
OIL, FUEL—3,734 bbls, Roxane, Foreign
GAS—52,523 bbls, Chilbar, Foreign; 67,576 bbls, Gylfe, Foreign
PETROLEUM, CRUDE—87,454 bbls, Roxane, Foreign; 22,353 bbls, Teddy, Foreign

Galveston Exports

Clearance Dates

Argentina, May 7; Beemsterdijk, May 9; Braheholm, May 4; Delalby, May 9; Livenza, May 4; Norvinn, May 9; R P Smith, May 9; Tasmania, May 5

ANTIMONY—100 tons, Beemsterdijk, London
BLACK, CARBON—15 cs, Livenza, Trieste; (Tasmania) 2 tons, Yokohama; 4 tons, Kobe; 125 cs, Argentina, Helsingfors; 11 tons, Beemsterdijk, London
COTTONSEED MEAL—25 tons, Braheholm, Oslo
OIL, GAS—(Norvinn) 3,000 tons, Antwerp; 6,177 tons, Rotterdam; 80,000 bbls, R P Smith, Montreal
SULPHUR—(Braheholm) 409 tons, Gothenburg; 10 tons, Copenhagen; 20 tons, Argentina, Helsingfors; (Beemsterdijk) 75 tons, Rotterdam; 30 tons, Antwerp; (Delalby) 100 tons, Santos; 2,000 tons, Buenos Aires

Houston Exports

Clearance Dates

Beemsterdijk, May 7; Ena, May 4; Havsten, May 5; Kongsgaard, May 10; Charles Kurz, May 4; Chastine Maersk, May 9; Magician, May 5; Mongiola, May 7; San Casimiro, May 10; San Tiburcio, May 5; Spencer Kellogg, May 6; Strinda, May 5; Tasmania, May 4

ASPHALT, GILSONITE—100 bgs, Mongiola, Genoa
BLACK, CARBON—(Tasmania) 20 tons, Yokohama; 15 tons, Osaka; 200 tons, Kobe; (Magician) 4 cs, Liverpool; 15,648 bgs, Manchester; 25 cs, Mongiola, Genoa; (Beemsterdijk) 104 tons, London; 10 tons, Antwerp; 200 tons, Rotterdam; 500 bgs, 400 cs, Chastine Maersk, Yokohama-Osaka-Kobe
CLAY—700 bgs, Magician, Liverpool
GASOLINE—(Charles Kurz) 45,000 bbls, San Juan; 12,500 bbls, Ponce; 13,500 bbls, Mayaguez; (Konsgaard) 4,200 tons, London; 4,500 tons, London-Killingholm-Grangemouth
KEROSENE—3,220 tons, Kongsgaard, London-Killingholm-White Booth Roads
OIL, FUEL—45,000 bbls, Spencer Kellogg, Puerto Tarafa
GAS—8,340 tons, Ena, Lisbon; 70,000 bbls, Havsten, Hamburg; 8,000 tons, San Tiburcio, United Kingdom; 11,500 tons, San Casimiro, United Kingdom; 2,280 tons, Kongsgaard, Amsterdam
PETROLEUM, CRUDE—116,000 bbls, Strinda, Montreal

Lake Charles Exports

Clearance Dates

Chester Valley, May 3; Conch, May 5

PETROLEUM, CRUDE—91,982 bbls, Conch, Montreal
ROSIN, WOOD—100 dms, Chester Valley, Buenaventura

Los Angeles Exports

Clearance Dates

Albertolite, May 2; Anna Maersk, April 30; Benj Franklin, April 25; Cellina, April 25; Chas R McCormick, April 29; Chichibu, April 29; Delftdijk, April 22; Europa, April 21; Gargoyle, May 3; Ima, May 2; Koryu, April 25; Lochmonar, April 30; Lossiebank, April 25; Manju, April 30; Molokai, April 30; Monterey, April 27; Nippon, May 4; Norden, May 2; Pacific Exporter, May 2; Tornus, May 2; Warwick, May 5; West Ira, April 30

ACID, BORIC—1,009 bgs, 112,000 lbs, Delftdijk, Liverpool; 400 bgs, 44,800 lbs, Pacific Exporter, Manchester
CITRIC—1,420 lbs, Lossiebank, Manila
ALCOHOL, ISOPROPYL, ANHYDR — 33,210 lbs, Delftdijk, London; 3,580 lbs, West Ira, Buenos Aires
ASPHALT, LIQ—36 dms, 16,970 lbs, Delftdijk, Brentford
BORATE — (Benjamin Franklin) 7,410 bgs, 1,317,190 lbs, Gdynia; 9,590 bgs, 1,153,340 lbs, London; 4,500 bgs, 679,240 lbs, Liverpool
BORAX — (Delftdijk) 3,880 bgs, 448,000 lbs, Liverpool; 3,400 bgs, 380,800 lbs, London; 236 bgs, 27,580 lbs, Oporto; (Cellina) 5,000 bgs, 560,000 lbs, Marseilles; 400 bgs, 44,800 lbs, Istanbul; 984 bgs, 110,210 lbs, Celje, Yugoslavia; 98 bgs, 10,980 lbs, Chichibu, Osaka; 400 bgs, 44,800 lbs, Pacific Exporter, Manchester
POWDERED—120 kgs, 13,440 lbs, Norden, Bogota
CARBON BISULPHIDE—6,000 lbs, Molokai, Guayamas
CLAY—50 bgs, 6,720 lbs, Delftdijk, Cartagena; 800 sks, 80,640 lbs, Cellina, Marseilles
CLEANER—1,570 lbs, Lossiebank, Manila
GASOLINE—6,208 bbls, 1,620,290 lbs, Nippon, Japan; 99,881 bbls, 26,068,940 lbs, Tornus, Sydney
HERBS—1,280 lbs, Delftdijk, London; 850 lbs, Pacific Exporter, London
INFUSORIAL EARTH—(Delftdijk) 155 bgs, 16,780 lbs, Glasgow; 111 bgs, 11,270 lbs, Liverpool; 68 bgs, 6,720 lbs, London; 223 bgs, 22,600 lbs, Rotterdam; 1,087 bgs, 110,330 lbs, Cellina, Casablanca; 296 bgs, 30,040 lbs, Charles R McCormick, Mayaguez; 23 bgs, 2,200 lbs, Lochmonar, Vancouver; (Europa) 22 bgs, 2,240 lbs, Rotterdam; 374 pkgs, 34,710 lbs, Copenhagen; (Benjamin Franklin) 460 bgs, 46,140 lbs, Oslo; 111 bgs, 11,290 lbs, London; (Pacific Exporter) 243 bgs, 22,400 lbs, London; 112 bgs, 11,200 lbs, Manchester
KEROSENE—21,192 bbls, 5,531,110 lbs, Warwick, Ioco
DISTILLATE—2,197 bbls, 619,550 lbs, Anna Maersk, Hongkong
MINERAL SPTS — 50 dms, 17,320 lbs, West Ira, Buenos Aires
OIL, DIESEL — 32,447 bbls, 10,123,460 lbs, Manju, Yokohama-Moji-Nagasaki; 12,432 bbls, 3,878,780 lbs, Koryu-Yokohama-Osaka
FUEL — 66,560 bbls, 22,164,480 lbs, Ima, Niigata; 7,896 bbls, 2,629,370 lbs, Lossiebank, Manila
GAS — 74,629 bbls, 22,537,960 lbs, Gargoyle, Curacao
ORANGE DIST — 350 lbs, Monterey, Auckland
SALAD — 2,310 lbs, Chichibu, Yokohama
PECTIN, CITROUS — (Delftdijk) 1,000 lbs, London; 2,300 lbs, Rotterdam; 500 lbs, Cellina, Marseilles; 20 kgs, 2,000 lbs, Benjamin Franklin, Gothenburg
PETROLEUM, CRUDE — 78,795 bbls, 24,584,040 lbs, Nippon, Japan; 64,196 bbls, 20,629,150 lbs, Albertolite, Vancouver
POTASH, MURIATE — 5,000 bgs, 1,102,300 lbs, Chichibu, Yokohama
SILICATE — 600 bgs, 66,140 lbs, West Ira, Buenos Aires
SOAP POWDER — 4,480 lbs, Pacific Exporter, London
SODA, ASH — 7,350 bgs, 1,102,500 lbs, West Ira, Buenos Aires; 100 bgs, 22,050 lbs, Norden, Callao; 49,400 lbs, Monterey, Auckland
CAUSTIC — 6,180 lbs, Lossiebank, Manila
SOLVENTS — (Delftdijk) 11,130 lbs, Glasgow; 10,980 lbs, Amsterdam
TALC — 100 bgs, 4,480 lbs, Delftdijk, Cartagena
TOILET PREPS — 300 lbs, Cellina, Gibraltar; 1,000 lbs, Anna Maersk, Shanghai

Mobile Exports

Clearance Dates

Corisco, May 10; Darian, April 25

CORNFLOUR — 432 bgs, Darian, Manchester
SUGAR — 500 bgs, Darian, Manchester
SYRUP — 409 bbls, Darian, Liverpool
ROSIN, GUM — 301 bbls, Corisco, Havana
STARCH, CORN — 1,304 bgs, Darian, Manchester
TURPENTINE, GUM — 5 bbls, Corisco, Havana

New Orleans Exports

Clearance Dates

Darian, April 22; Ethan Allen, April 20; Frankenwald, April 30; Hindenburg, April 29; Koenigsberg, April 18; Leerdam, April 28; Lysefjord, March 30; Morazan, April 14, April 28; Ranella, April 28; Syros, April 30; Tasmania, April 30; Tegucigalpa, April 7, 21; Toloa, April 1; Western Queen, April 29

ASPHALT—25 tons, Western Queen, Manchester; 9 tons, Leerdam, Rotterdam; 62 tons, Frankenwald, Hamburg; 40 tons, Ethan Allen, Havre; 600 cs, Kobe-Yokohama-Osaka; 112 cs, 95 sks, Kobe; 297 sks, Darian, Manchester; 44 sks, Hindenburg, Kobe
CRUDE—19 tons, Western Queen, Liverpool
GILSONITE—29 tons, Koenigsberg, Hamburg; 30 tons, Frankenwald, Hamburg
BLACK, CARBON—(Ethan Allen) 29 tons, Havre; 4 tons, Antwerp; 3 tons, Rotterdam; (Tasmania) 199 cs, Yokohama; 112 cs, 95 sks, Kobe; 600 cs, Kobe-Yokohama-Osaka; (Syros) 3 cs, Hamburg; 4 tons, Antwerp; (Leerdam) 41 tons, London; 1 ton, Antwerp; (Darian) 25 cs, Liverpool; 65 cs, Manchester; (Koenigsberg) 9 tons, Hamburg; 8 tons, Bremen-Hamburg; (Hindenburg) 35 cs, 80 sks, Yokohama; 200 sks, Kobe; (Frankenwald) 6 tons, Hamburg; 130 cs, Bremen-Hamburg
BONEMEAL—5 sks, Toloa, Panama
CALCIUM PHOSPHATE—9 bbls, Tegucigalpa, Tampico
CARBON BISULPHIDE—60 dms, Tegucigalpa, Tampico
CHEMICALS—1 ton, Tegucigalpa, Vera Cruz
CLAY—17 tons, Western Queen, Manchester; 660 sks, Darian, Manchester
GROUND—27 tons, Leerdam, Antwerp
COCOA WASTE—20 tons, Leerdam, Amsterdam
CORN SYRUP—111 tons, Western Queen, Liverpool; 93 tons, Leerdam, London
COTTONSEED HULL SHAVING PULP—(Ethan Allen) 20 tons, Havre; 49 tons, Rotterdam; 186 tons, Western Queen, Manchester; 244 tons, Leerdam, Antwerp; 295 bls, Darian, Manchester
FIRECLAY—4 tons, Ethan Allen, Antwerp; (Toloa) 22 tons, Cristobal; 61 tons, Panama; 214 tons, Buenaventura; 12 tons, Guayaquil
FULLER'S EARTH—1,000 sks, Tegucigalpa, Tampico
GASOLINE—503 dms, 400 cs, Lysefjord, Tela
GLUCOSE—57 bbls, Darian, Liverpool
GREASE, ANIMAL—50 dms, Tegucigalpa, Vera Cruz
INK—10 dms, Toloa, Havana
INSECTICIDE—12 dms, 17 cs, Koenigsberg, Bremen-Hamburg optional
LIQUID—1 ton, Tegucigalpa, Vera Cruz
KEROSENE—50 dms, 50 cs, Lysefjord, Belize; 375 cs, Toloa, Puerto Limon
LARD—250 dms, Lysefjord, Santiago; (Toloa) 100 dms, 567 tins, 5 cs, Havana; 250 tins, Panama; 250 tins, Puntarenas; 300 tins, Puerto Colombia; 800 tins, Guayaquil; 1,000 tins, Tegucigalpa, Vera Cruz; 450 tins, Morazan, Vera Cruz
SUBSTITUTE—116 cs, Tasmania, Kobe
LEATHER DRESSING—7 tons, Tegucigalpa, Vera Cruz
LICORICE PASTE—1 ton, Tegucigalpa, Vera Cruz
MOLYBDENITE, CONC—41 tons, Ethan Allen, Rotterdam
OIL, COTTONSEED—(Tasmania) 6 dms, Yokohama; 265 cs, Kobe
GAS—6,400 tons, Ranella, Hamburg
LUBRICATING — (Western Queen) 31 tons, Liverpool; 22 tons, Manchester; 1 ton, Leerdam, London; 103 bbls, Darian, Manchester; 782 tons, Koenigsberg, Hamburg; (Hindenburg) 80 dms, Yokohama; 20 dms, Kobe; 60 dms, Kobe transshipment; 23 bbls, Osaka; 80 dms, Moji; 9 tons, Frankenwald, Hamburg
PINE—80 dms, Hindenburg, Osaka
REFINED—75 dms, Lysefjord, Belize
PARAFFIN—10 tons, Western Queen, Liverpool; 250 sx, Morazan, Vera Cruz; 15 tons, Ethan Allen, Havre; 199 bbls, Darlan, Liverpool; 24 tons, Koenigsberg, Hamburg
PETROLATUM—56 tons, Ethan Allen, Antwerp; 6 tons, Leerdam, London; (Koenigsberg) 130 tons, Hamburg; 2 tons, Bremen-Hamburg transshipment
PINETAR—10 dms, Toloa, Havana; 21 dms, Morazan, Vera Cruz
PITCH—30 dms, Toloa, Puerto Colombia
PLASTER—16 dms, Tegucigalpa, Vera Cruz
ROSIN—60 dms, Toloa, Cartagena; 17 tons, Western Queen, Liverpool; 16 tons, Leerdam, Rotterdam; (Koenigsberg) 25 tons, Hamburg; 13 tons, Bremen-Hamburg transshipment; 23 bbls, Hindenburg, Osaka; 42 tons, Frankenwald, Hamburg
WOOD—80 dms, Toloa, Puerto Limon
SHRIMP BRAN—(Toloa) 80 sx, Cristobal; 380 sx, Panama
SODA, SULPHATE — 36 bbls, Tegucigalpa, Tampico
STARCH, CORN — 360 tons, Western Queen, Manchester; 472 tons, Leerdam, London
SULPHUR—713 sx, Morazan, Vera Cruz
TOILET PREPS—3 bxs, Hindenburg, Kobe
TRIPOLI — (Ethan Allen) 45 tons, Havre; 6 tons, Rotterdam; 20 tons, Frankenwald, Hamburg
PULVERIZED—600 sx, Lysefjord, Panama City
TOBACCO EXTRACT—27 tons, Koenigsberg, Bremen-Bremerhaven
TURPENTINE—100 cs, Toloa, Valparaiso; 36 dms, Hindenburg, Osaka
ZINC DUST—(Tegucigalpa) 275 dms, Tampico; 250 dms, Vera Cruz

Norfolk Exports

Clearance Dates

Atlanta City, May 12; City of Norfolk, May 6; Gerd, May 7; Tiradentes, May 7

GRAPHITE, LUBRICATING—1 bx, 24 lbs, Gerd, St Thomas
HYDROGEN—10 cyls, 1,250 lbs, Gerd, St Thomas
KEROSENE—30 dms, 14,250 lbs, Gerd, St Thomas
LARD—(City of Norfolk) 5,050 bxs, 318,125 lbs, London; 600 bxs, 37,200 lbs, Hamburg
METHYLENE CHLORIDE—8 dms, 5,047 lbs, City of Norfolk, London
MICA, PULV—120 bgs, 12,240 lbs, City of Norfolk, London
OIL, CEDARWOOD—5 dms, 2,364 lbs, Tiradentes, Rotterdam
SALAD—5 bxs, Gerd, Trinidad
PAINT—4 bxs, Gerd, Trinidad
PETROLEUM—20 dms, 10,540 lbs, Gerd, St Thomas
POTASH MURIATE—200 bgs, 44,800 lbs, Gerd, Bridgetown; 500 bgs, 50 tons, Tiradentes, Rotterdam
SODA, NITRATE—25 tons, Atlanta City, Calcutta; 1,000 bgs, 201,500 lbs, Gerd, Bridgetown
SOYBEAN MEAL—125 bgs, 12,500 lbs, Gerd, Bridgetown
TANNING EXTRACT—225 bgs, 33,750 lbs, City of Norfolk, Hamburg

Philadelphia Exports

Clearance Dates

Argentino, May 10; Artigas, May 6; Brastagi, May 11; Bruyere, May 10; City of Bath, May 13; City of Cardiff, May 10; City of New York, May 13; Cubano, May 9; Heimgar, May 6; Independence Hall, May 7; Lalande, May 9; Liberty, May 13; Mormacsun, May 7; San Marcos, May 7; Sessa, May 11; Silversandal, May 11; Toronto City, May 9

ABRASIVE GRAIN—3 dms, San Marcos, Buenaventura
ALUMINA SULPHATE—1,500 bgs, San Marcos, Barranquilla
AMMONIA, ANHYDR—40 cyls, City of Bath, Karachi
ANTI-KNOCK COMP—25 dms, Heimgar, Marseilles; 13 dms, Mormacsun, Gdynia
BENZOL—4 dms, Argentino, Buenos Aires
BLACK, BONE—(Mormacsun) 10 bgs, Stockholm; 10 bgs, Helsingfors; 3 bgs, City of Bath, Bombay
BRAKE FLUID—2 dms, City of Cardiff, East London; 2 cs, City of Bath, Penang
CEMENT, FIBRE—5 dms, Sessa, Valparaiso
GASKET—4 ctns, City of Cardiff, East London; 1 cs, City of Bath, Penang
ROOF—215 pkgs, Toronto City, Cardiff
RUBBER—3 dms, 3 pls, Sessa, Valparaiso
CHEMICAL SPECIALTY COMP—2 cs, Heimgar, Casablanca
CLEANER—10 dms, Independence Hall, Havre
COCOA CAKE—25 pkgs, Silversandal, Port Elizabeth
COLORS, COALTAR—5 dms, Heimgar, Oporto
DICHLORODIFLUORMETHANE — 30 cyls, Mormacsun, Copenhagen
DRESSING, AUTO-TOP—2 kits, Heimgar, Lisbon
DYEWOOD EXTRACT—20 bxs, 1 dm, Lalande, Santos
ETHYL FLUID—76 dms, Independence Hall, Havre
FUNGICIDE—1 pkg, Toronto City, Bristol
GASOLINE—(Bruyere) 2,000 cs, Bahia; 10,000 cs, Ceara; 1,500 cs, Pernambuco; 2,000 cs, Natal; 2,500 cs, Maceio; 300 cs, Maranhao; 2,000 cs, 400 dms, Para; 400 dms, Ceara
GLAZE, METAL—2 cs, Sessa, Valparaiso
GREASE, LUBRICATING—24 pls, Heimgar, Lisbon; (Artigas) 2 dms, Liverpool; 1 dm, Dublin; 38 dms, 25 pls, Mormacsun, Gothenburg; (Bruyere) 2 dms, Cabedello; 10 bkts, 3 bbls, Pernambuco; 5 bkts, 2 bbls, Maceio; 17 bbls, 40 kgs, 90 pls, 35 cs, Argentino, Santos; 3 dms, Sessa, Valparaiso
INSECTICIDE—30 pkgs, Silversandal, Beira; 6 cs, 3 dms, City of Bath, Bagdad
KEROSENE—(Bruyere) 7,000 cs, Bahia; 10,000 cs, Ceara; 6,000 cs, Pernambuco; 2,000 cs, Natal; 2,200 cs, Maranhao; 3,000 cs, Para
LACQUER—(Heimgar) 4 ctns, Oporto; 4 bxs, 10 kits, Lisbon
THINNER—10 dms, Mormacsun, Gothenburg
LARD—100 trcs, Artigas, Manchester
LICORICE PASTE—40 pkgs, Toronto City, Bristol; 50 cs, Argentino, Buenos Aires; 11 cs, Brastagi, Cheribon
MANGANESE ORE—11 bgs, Artigas, Liverpool
CONCENTRATES—4 bbls, City of Bath, Bombay
MINERAL SPTS — 5 cs, Bruyere, Maceio
MEDICINAL PREPS — (City of Bath) 1 cs, Amritsar; 2 cs, Lahore
NAPHTHA, SOLVENT — 4 dms, Argentino, Buenos Aires
OIL, COALTAR — 9 dms, Independence Hall, Havre; 16 dms, Heimgar, Lobito
CODLIVER — 25 dms, Liberty, Hamburg
FUEL — 99 dms, Heimgar; San Thome
LUBRICATING — (Independence Hall) 100 bbls, 136 dms, Havre; 25 bbls, St Nazaire; (Heimgar) 5 dms, Oporto; 160 ctns, 641 bbls, 621 cs, 5 dms, Lisbon; 358 pkgs, Leixoes; 68 cs, Bissao; 10 pkgs, Novo Redondo; 94 pkgs, Loanda; 151 pkgs, Benguela; 25 pkgs, Mossamedes; 25 pkgs, Cabinda; 20 cs, 10 dms, San Thome; 64 dms, 1 cs, 138 pkgs, Casablanca; 9 pkgs, Tangier; 15 dms, 23 cs, Gibraltar; 25 bbls, 200 dms, 15 pkgs, Marseilles; 43 pkgs, Oudja; 5 pkgs, Algiers; 1,031 pkgs, Saigon; (Artigas) 30 bbls, Liverpool; 296 dms, Glasgow; (Toronto City) 13 pkgs, Bristol; 130 pkgs, Cardiff; (Mormacsun) 113 dms, 8 bxs, 80 bbls, 10 cs, Gothenburg; 2 cs, 27 dms, 155 bbls, Copenhagen; (City of Cardiff) 70 pkgs, Capetown; 3 ctns, 4 dms, East London; 20 pkgs, Durban; 1,755 pkgs, Mombasa; 295 pkgs, Dar-es-Salaam; 310 pkgs, Majunga; 435 pkgs, Morondava; 335 pkgs, Tulear; 365 pkgs, Beira; 4,210 pkgs, Lourenco Marques; (Bruyere) 35 pkgs, Manaos; 31 dms, 25 cs, 160 pkgs, Cabedello; 38 bbls, 10 dms, 210 cs, Bahia; 55 pkgs, Ceara; 325 dms, 422 cs, Pernambuco; 40 cs, Maceio; 30 cs, Maranhao; 15 dms, Para; 90 cs, 148 dms, Argentino, Santos; 7 dms, Sessa, Valparaiso; 5 pkgs, Silversandal, Capetown; (City of New York) 15 pkgs, Zanzibar; 105 pkgs, Tanga; (City of Bath) 1,737 dms, 15 pls, 300 cs, Bombay; 513 dms, 135 pls, 505 cs, Calcutta; 26 dms, 10 cs, Port Said; 450 pkgs, Basra; 1,163 pkgs, Karachi; 353 dms, 50 pls, 435 cs, Madras
NEATSFOOT—3 dms, Lalande, Sao Paula
PAINT — (Heimgar) 20 kits, 25 ctns, Oporto, 53 kits, 3 ctns, Lisbon; 3 dms, Artigas, Liverpool; 25 pls, 9 dms, Cubano, Buenos Aires; 2 dms, Mormacsun, Gothenburg; 15 hlf dms, Lalande, Buenos Aires; 1 bx, Argentino, Buenos Aires; 112 pls, 21 dms, Sessa, Valparaiso
PASTE — 17 cs, Lalande, Buenos Aires
PARAFFIN — (Heimgar) 400 bgs, Oporto; 84 bbls, Marseilles; (Artigas) 340 bbls, Manchester; 85 bbls, Dublin; 255 bbls, Glasgow; 204 bgs, San Marcos, Oruro; 556 pkgs, Toronto City, Bristol
REFINED — 102 pkgs, Toronto City, Bristol; 20 bgs, Mormacsun, Gothenburg
PASTE, WOOD FILLER — 5 kits, Heimgar, Lisbon
POLISH, AUTO — 6 ctns, City of Cardiff, East London
LIQUID — 1 ctn, Mormacsun, Gothenburg
PUTTY—32 kits, Heimgar, Lisbon
RADIATOR FLUSH — 2 ctns, City of Cardiff, East London
SOLDER — 6 ctns, City of Cardiff, East London
RESIN, COALTAR — 7 dms, Independence Hall, Havre
RUBBER FILLER — 13 dms, Mormacsun, Copenhagen
SOLDER DROSS — 1,829 bgs, Toronto City, Bristol
SODA, ASH — 2,645 bgs, Lalande, Buenos Aires; 3 pkgs, Silversandal, Capetown; 1 dm, City of Bath, Bombay
CYANIDE — 15 dms, Mormacsun, Helsingfors
HYDROSULPHITE — 13 dms, Heimgar, Oporto
PHOSPHATE, TRI — 340 bgs, Artigas, Manchester
TANNING EXTRACT — 7 bbls, San Marcos, Barranquilla
MATERIAL — 44 bbls, Argentino, Buenos Aires
TOLUOL — 2 dms, Argentino, Buenos Aires
TRICHLORETHYLENE — (Heimgar) 2 ctns, Oporto; 2 ctns, Lisbon
VARNISH — (Heimgar) 8 ctns, Oporto; 3 ctns, Lisbon
WAX, AUTO — 32 ctns, City of Cardiff, East London
XYLOL — 50 dms, Lalande, Buenos Aires; 2 dms, Argentino, Buenos Aires

Port Arthur Exports

Clearance Dates

Atlanta City, May 4; Beaumont, May 2; Larry Doheny, May 8; Goslar, May 5; Havprins, May 7; Jotunfjell, May 9; Katrine Maersk, May 1; Kollbjorg, May 4; Genevieve Lykes, May 3; W R Lundgren, May 6; Norden, May 1; Nyholt, May 4; Reaper, May 3; Seirstad, May 4; Tampico, May 4; Tana, April 92; Teddy, May 1; West Irmo, April 30

ASPHALT — (Tana) 5 dms, Oslo; 480 dms, Gothenburg; 20 dms, Copenhagen; (Reaper), 4 dms, Iquitos; 352 dms, Rio de Janeiro; (Goslar) 251 dms, Brisbane; 1,694 bbls, Sydney; 1,485 dms, Melbourne
LIQUID—1 bx, West Irmo, Abidjean; (Reaper), 5 bxs, Para; 1 bx, Manaos; 1 bx, Genevieve Lykes, Mayaguez
PETROLEUM—(Atlanta City) 234 dms, Karachi; 1,002 dms, Bombay; 2 bxs, Reaper, Rio de Janeiro
SOLID—100 dms, Genevieve Lykes, San Juan
BLENDING FLUID—29 bbls, Seirstad, Bilbao; 19 bbls, Katrine Maersk, Bilbao
GASOLINE—(West Irmo) 10,000 cs, Port Bouet; 881 cs, Abidjean; 3,150 cs, Duala; 2,050 cs, Cape Coast; 1,500 cs, Lome; 1,000 cs, Sapele; 800 cs Warri; 800 cs, Monrovia; 4,000 cs, Port Marshall; 3,500 cs, Freetown; 2,000 cs, Winnebah; 1,200 cs, Bathurst; 2,050 cs, Kribi; 4,000 cs, Conakry; 2,000 cs, Port Harcourt; 3,200 cs, Lagos-Apapa; 1,000 cs, Dakar; 800 cs, Sherbro; 2,605 bbls, Beaumont, Riga; 116,965 bbls, Sierstad, Bilbao; 46,250 bbls, Katrine Maersk, Bilbao; 100 dms, 5,000 cs, Atlanta City, Djibouti; (Reaper) 15,000 bbls, Para; 4 dms, 35 cs, Iquitos; 14,850 bbls, Rio de Janeiro; 50 bbls, Genevieve Lykes, San Juan; (Kollbjorg) 54,377 bbls, Rio de Janeiro; 39,084 bbls, Santos; 99,589 bbls, W R Lundgren, Montevideo; (Jotunfjell) 22,857 bbls, Capetown; 34,285 bbls, East London; 37,997 bbls, Durban
GREASE, LUBRICATING—(West Irmo) 749 bbls, Santa Cruz de Teneriffe; 100 dms, 115 cs, Abidjean; 13 dms, 5 cs, Accra; 5 dms, Port Marshall; 15 cs, Bathurst; 20 cs, Kribi; 10 dms, 16 cs, Lagos-Apapa; 10 dms, 50 cs, Dakar; (Tana) 122 dms, 20 cs, 2 ctns, Oslo; 20 dms, 48 cs, 2 ctns, Copenhagen; (Atlanta City) 112 dms, 58 cs, 10 ctns, Karachi; 5 dms, Bombay;

GREASE, LUBRICATING (Continued):—
(Reaper) 5 cs, Para; 3 cs, Manaos; 25 dms, 4 cs, Iquitos; 27 bbls, 30 dms, 5 kgs, 59 cs, Rio de Janeiro; (Genevieve Lykes) 10 dms, 13 cs, 4 ctns, Ponce; 6 cs, Arecibo; 1 cs, 2 ctns, Mayaguez; 10 dms, 52 cs, 2 ctns, San Juan; 2 dms, 6 cs, 5 pls, Aguadilla; 1 dms, 1 cs, Fajardo; (Goslar) 40 dms, Brisbane; 150 dms, 63 cs, Sydney; 45 cs, Melbourne; 35 dms, Adelaide

KEROSENE—(West Irmo) 3,000 cs, Port Bouet; 100 cs, Duala; 50 cs, Cape Coast; 2,250 cs, Accra; 1,000 cs, Lome; 1,000 cs, Sapele; 1,200 cs, Warri; 1,200 cs, Monrovia; 4,200 cs, Freetown; 800 cs, Bathurst; 950 cs, Kribi; 1,000 cs, Conakry; 500 cs, Port Harcourt; 2,000 cs, Dakar; 1,200 cs, Sherbro; 59,294 bbls, Beaumont, Riga; 3,000 cs, Atlanta City, Djibouti; (Reaper) 22,500 bbls, Para; 1,000 cs, Iquitos; 4,000 bbls, Rio de Janeiro; (Genevieve Lykes) 505 cs, Arecibo; 1,000 cs, Mayaguez; 1,500 cs, San Juan; 600 cs, Aguadilla; 250 cs, Fajardo; (Jotunfjell) 3,333 bbls, Capetown; 3,344 bbls, Durban

OIL, DIESEL GAS—(West Irmo) 250 dms, Abidjean; 20 dms, Cape Coast; 500 dms, Accra; 50 dms, Winnebah; 100 dms, Dakar; 50 dms, Sherbro; (Reaper) 90 dms, Iquitos; 7,007 bbls, Rio de Janeiro-Para; (Goslar) 200 dms, Sydney; 300 dms, Adelaide

FUEL—48,163 bbls, Teddy, Flushing; 75,149 bbls, Norden, Rotterdam; 43,093 bbls, Tampico, Thameshaven

LUBRICATING—(West Irmo) 11,492 dms, Santa Cruz de Teneriffe; 155 dms, 100 cs, Abidjean; 400 cs, Duala; 50 dms, 15 cs, Cape Coast; 200 dms, 36 cs, Accra; 10 dms, Freetown; 10 dms, Winnebah; 15 dms, Port Harcourt; 115 dms, 20 cs, Lagos-Apapa; 10 dms, 40 cs, 50 ctns, Dakar; 16,757 bbls, Katrine Maersk, Bilbao; (Tana) 353 dms, Oslo; 147 dms, 115 cs, Copenhagen; (Reaper) 20 dms, 195 cs, Para; 10 dms, 488 cs, Manaos; 18 dms, 26 cs, Iquitos; 2,656 bbls, 83 dms, 133 cs, Rio de Janeiro; (Genevieve Lykes) 123 dms, 99 cs, Ponce; 13 bbls, Guayanilla; 12 dms, 28 cs, Arecibo; 14 dms, 29 cs, Mayaguez; 222 cs, 203 dms, San Juan; 7 dms, 17 cs, Aguadilla; 5 dms, 5 cs, Fajardo; (Goslar) 510 dms, 262 cs, Brisbane; 1,985 dms, 130 cs, Sydney; 1,745 dms, 131 cs, Melbourne; 345 dms, 150 cs, Adelaide

LUBRICATING, BLACK—8 dms, Atlanta City, Karachi

LUBRICATING, PALE—(Atlanta City) 200 dms, Alexandria; 50 dms, Djibouti; 759 dms, 270 cs, Karachi; 445 dms, 75 cs, Bombay

PAINT, PREPARED—10 dms, Goslar, Brisbane

THINNER—5 cs, 5 dms, Genevieve Lykes, San Juan; 50 dms, Goslar, Adelaide

PARAFFIN—23,372 bgs, West Irmo, Santa Cruz de Teneriffe; (Tana) 25 cs, Oslo; 5 cs, Copenhagen; 100 cs, Reaper, Rio de Janeiro

PETROLEUM, CRUDE—92,173 bbls, Nyholt, Montreal; 93,491 bbls, Havprins, Montreal; 74,492 bbls, Larry Doheny, Donges

REFINED SPIRITS—11,500 tons, W R Lundgren, Montevideo

SOLVENT, CLEANING—80 dms, Reaper, Rio de Janeiro

WAX, DRESSING LIQ—(Atlanta City) 2 cs, Karachi; 8 cs, Bombay; (Genevieve Lykes) 1 cs, Ponce; 15 cs, San Juan

San Francisco Exports

Clearance Dates

Admiral Laws, April 21; Anders Weesgaard, April 21; Benjamin Franklin, April 21; Bramora, April 27; Capt A F Lucas, April 22; Cellina, April 22; Charlie Watson, April 19; Delftdijk, April 20; Grena, April 20; Hallanger, April 24; Hylton, April 27; Knute Nelson, April 21; Molokai, April 26; Monterey, April 25; Norway, April 22; Omurosan, April 25; President Cleveland, April 22; Rosebank, April 26; San Amado, April 21; San Antonio, April 19; Silverash, April 23; Yamabiko, April 23

ABRASIVE PAPER—1 crt, Silverash, China
ACETONE—186 dms, Delftdijk, Holland; 30 dms, Norway, Chile
ACID, BORIC—60 sks, Monterey, Australia
ALCOHOL, ALLYL—3 dms, Delftdijk, Holland
ISOPROPYL—1 bbl, Rosebank, Vancouver
ALUMINUM PASTE—2 pls, Monterey, Australia
AMMONIA, ANHYDR—145 cyls, Silverash, China
POLYSULFIDE—1 dm, Delftdijk, Holland
ASPHALT—(President Cleveland) 151 sks, 700 bbls, Kobe; 55 sks, Osaka; 662 sks, 100 bbls, Yokohama; 200 bbls, Silverash, China; (Monterey) 5 dms, Fiji Islands; 50 dms, Australia; 1 sk, Rosebank, Vancouver
GILSONITE—60 sks, Yokohama; 45 sks, Osaka; 2 tons, Hongkong
BENZOL—150 dms, Yamabiko, Yokohama
BENZOLENE—20 bbls, Hylton, Fremantle
BLACK CARBON—50 cs, President Cleveland, Hongkong; 68 cs, Monterey, Australia
LAMP—20 cs, Monterey, Australia
BLUE, LAUNDRY — 53 cs, President Cleveland, Manila
ULTRAMARINE — 4 bbls, Monterey, Australia
BONE FLOUR—400 sks, Rosebank, Vancouver
BORAX—7 cs, President Cleveland, Manila; 40 sks, Monterey, Australia
CALCIMINE—124 cs, San Antonio, Colombia
CALCIUM CHLORIDE—1 dm, Rosebank, Vancouver
CARBON, BISULPHIDE — 115 dms, Molokai, Mazatlan
CHARCOAL, ANIMAL — 10 sks, President Cleveland, Manila
CHEMICALS—7 cs, Monterey, New Zealand
CEMENT, ROOF—2 dms, Monterey, Australia
RUBBER—1 cs, Monterey, Australia
CHLORINE BLEACH, LIQ—11 cs, President Cleveland, Manila
CLEANER, GLASS — 1 cs, Rosebank, Vancouver
LIQUID—10 cs, President Cleveland, Manila
CLEANSER, HOUSEHOLD—10 cs, President Cleveland, Manila
COCONUT MEAL—2,224 sks, Benjamin Franklin, Stavanger
COLOR, DRY—(President Cleveland) 4 kegs, Yokohama; 9 bbls, 1 keg, President Cleveland, Bangkok; 1 bbl, Rosebank, Victoria; 2 bbls, 4 kgs, Delftdijk, Colombia
COPRA—4,307 sks, Cellina, Colombia
DENTIFRICES—(President Cleveland) 500 cs, Manila; 20 cs, Hongkong; 1 cs, Silverash, China; 1 cs, Monterey, Samoa
DEODORANT—1 cs, Silverash, China
DEXTRIN—1 sk, Rosebank, Vancouver
DRESSING, SHOE—(President Cleveland) 1 cs, Hongkong; 1 cs, Manila
DRUGS—(President Cleveland) 41 cs, Manila; 47 cs, Hongkong; 1 cs, Silverash, China; 2 cs Monterey, Samoa
EPSOM SALT—150 sks, Molokai, Guaymas
FILLER—3 bbls, Monterey, Australia
FIRECLAY—600 sks, Rosebank, Vancouver
FLUX—10 dms, Monterey, Australia
FLY SPRAY—10 bbls, Rosebank, Vancouver
FRUIT EMULSION—2 cs, President Cleveland, Hongkong
GASOLINE—(Grena) 42,008 bbls, Dairen; 17,008 bbls, Taku Bar; 51,204 bbls, San Amado, United Kingdom; 109,650 bbls, Hallanger, Curacao; 67,487 bbls, Bramora, Auckland-Wellington-Lyttleton-Dunedin
GLYCERIN — 10 cs, Silverash, Philippine Islands
GREASE, LUBRICATING—12 dms, 25 pls, 5 cs, Charlie Watson, La Union; 1 dm, 1 cs, Monterey, Samoa; 250 dms, Monterey, Australia; 1 dm, 4 pls, 5 cs, Rosebank, Vancouver; 70 dms, Hylton, Fremantle
GUM, COMPOUND, SYNTH—5 dms, Monterey, Australia
HOPS — 20 cs, President Cleveland, Manila
HYDROGEN, PEROXIDE — 76 cs, Monterey, New Zealand
INK, INDELIBLE — 1 cs, President Cleveland, Manila
PRINTING — 5 pls, President Cleveland, Osaka; 20 bbls, President Cleveland, Hongkong; 1 cs, Rosebank, James Island; 6 dms, Rosebank, Victoria
INSECTICIDE — 17 cs, President Cleveland, Manila
KEROSENE — 3,400 cs, Charlie Watson, La Union; (Grena) 5,871 bbls, Dairen; 27,612 bbls, Taku Bar; 33,959 bbls, San Amado, United Kingdom; 9,671 bbls, Bramora, Auckland-Wellington-Lyttleton-Dunedin
EXTRACT — 2 cs, Delftdijk, Holland
LACQUER — 1 cs, Benjamin Franklin, Bergen; 1 cs, Monterey, New Zealand
LAUREL LEAVES — 5 bls, Rosebank, Vancouver
LEAD, RED, DRY — 25 dms, 100 kgs, President Cleveland, Manila
WHITE — 50 kgs, President Cleveland, Manila
LIGHTER FLUID — 1 cs, Monterey, New Zealand
LIMESTONE — 7 sks, Anders Weesgaard, Puerto Armuelles
LINING COMP — 7 dms, Monterey, Australia
LITHARGE — 27 dms, 48 bbls, President Cleveland, Manila
MAGNESIA, BLOCK — 66 cs, Admiral Laws, Ocean Falls
MEDICINAL PREPS — 10 cs, President Cleveland, Hongkong; (Monterey) 10 cs, Tokyo; 9 cs, Australia; 2 cs, North Solomons; 1 cs. Rosebank, Vancouver
METHYL CHLORIDE — 59 dms, Delftdijk, Holland
MILK POWDER — 1 cs, Benjamin Franklin, Liverpool; 125 bbls, President Cleveland, Manila
TESTING SOL — 1 cs, President Cleveland, Manila
MINERAL SPTS — 6 dms, 20 cs, Norway, Chile; 100 dms, Hylton, Fremantle
MUSTARD SEED — 40 sks, Rosebank, Vancouver
NAPHTHA — 60 bbls, 30 cs, Hylton, Fremantle
NITROCELLULOSE — 2 dms, Rosebank, Vancouver
NITROUS OXIDE — 20 cyls, Monterey, New Zealand
OIL, CASTOR — 1 dm, Rosebank, Victoria
COCONUT — 1 dm, Delftdijk, Peru; 25 dms, Anders Weesgaard, Puerto Armuelles; 65 dms, Norway, Ecuador; 11 bbls, Monterey, New Zealand
DIESEL—1,521 bbls, Anders Weesgaard, Puerto Armuelles; 15,667 bbls, Silverash, China
ESSENTIAL—5 cs, Monterey, Australia
FISH, HARD—100 sks, Norway, Panama
FUEL—33,000 bbls, Capt A F Lucas, Guaymas
LINSEED—4 dms, Monterey, Australia
LUBRICATING—78 dms, 10 pls, 18 cs, Charlie Watson, La Union; 3 cs, Delftdijk, England; (President Cleveland) 175 dms, Yokohama; 1 cs, Manila; (Norway) 14 dms, Peru; 50 dms, Ecuador; 20 dms, El Salvador; 2 dms, Costa Rica; 1 cs, 2,000 bbls, Silverash, China; (Monterey) 972 dms, 1 cs, 160 bbls, Australia; 23 dms, Samoa; 1 cs, New Zealand; 68 dms, Rosebank, Vancouver; 465 bbls, Hylton, Fremantle
MACHINE—3 cs, Monterey, Samoa
MOTOR—1 cs, Monterey, New Zealand
NAPHTHENIC—1 crt, Delftdijk, England
RAPESEED—1 bbl, Rosebank, Vancouver
SALAD—7 dms, President Cleveland, Yokohama
ONION POWDER, RED—2 dms, Monterey, Australia
OXYGEN—10 cyls, Monterey, New Zealand
PAINT—(San Antonio) 45 cs, Panama; 19 cs, Columbia; 3 dms, 20 pls, Chile; 1 cs, Venezuela; 14 dms, 16 pls, 3 cs, Delftdijk, Columbia; 55 pls, 13 cs, Norway, Peru
PASTE, TIN—10 pls, Monterey, New Zealand
PEPPER, BLACK—22 sks, Norway, Ecuador; 4 sks, Molokai, Guaymas
PERFUMERY—1 cs, Norway, Balboa; 5 cs, 1 dm, Monterey, Australia
PETROLEUM—(President Cleveland) 50 dms, Kobe; 150 dms, Yokohama; 350 cs, 5 dms, Hylton, Fremantle
CRUDE—7 bbls, San Antonio, France; 1 dm, Delftdijk, England; 1,300 tons, Yamabiko, Kobe-Osaka; 75,655 bbls, Omurosan, Tokuyama
POLISH, FURNITURE — 1 cs, Monterey, Samoa
SHOE—1 cs, President Cleveland, Manila; 1 cs, Monterey, Fiji Islands
POTASH, CAUSTIC—20 dms, Rosebank, Vancouver
ETHYL XANTHATE—10 dms, San Antonio, Chile
XANTHATE—20 dms, Rosebank, Vancouver
RESIN, POWD—5 sks, President Cleveland, Manila
SYNTHETIC — 3 dms, President Cleveland, Canton
ROSIN, KIDNEY—2 dms, Rosebank, Victoria
RUBBING COMP—1 cs, Benjamin Franklin, Bergen
SALT—1 dm, Monterey, Australia; 1,059 tons, Rosebank, Vancouver
IODIZED—(Monterey) 2,000 pkgs, Australia; 100 cs, New Zealand
SULPHURIZED — (Monterey) 3,800 pkgs, Australia; 100 cs, Monterey, New Zealand
SCOURING POWDER—2 cs, President Cleveland, Manila
SOAP—1 cs, Monterey, Samoa
LAUNDRY—1 cs, President Cleveland, Manila; 1 cs, Monterey, Fiji Islands
TOILET — (President Cleveland) 1,000 cs, Shanghai; 560 cs, Hongkong; 1 cs, Norway, Ecuador; 4 cs, Monterey, Samoa
SODA—(President Cleveland) 5 cs, Dairen; 5 kgs, President Cleveland, Hongkong
BICARBONATE—2 cs, President Cleveland, Manila
CAUSTIC — 15 dms, President Cleveland, Manila
SILICATE—50 dms, Silverash, Philippine Islands
SOLVENT, PAINT—10 bbls, Rosebank, Vancouver
SULPHUR—60 sks, Monterey, New Zealand
FLOWERS—68 sks, Montery, Australia
GROUND—5 sks, Rosebank, Vancouver
REFINED—(Monterey) 180 sks, Australia; 44 sks, New Zealand
TAPIOCA—2 sks, Molokai, Guaymas
TOILET PREPS—(President Cleveland) 241 cs, Manila; 314 cs, Hongkong; 7 cs, Silverash, China; (Monterey) 29 cs, Australia; 1 cs, New Zealand; 2 cs, Samoa
TREE WASH—82 cs, Monterey, Australia
VARNISH—11 cs, President Cleveland, Hongkong; 8 dms, Monterey, Australia
WAX, POLISHING—1 cs, President Cleveland, Manila
SEALING—2 cs, President Cleveland, Manila
ZINC DUST—50 cs, Delftdijk, Peru

Savannah Exports

Clearance Dates

Myrmidon, May 2; Steel Ranger, May 14

GLUCOSE—15 bbls, Myrmidon, Iloilo
ROSIN, GUM—260 bbls, Myrmidon, Tientsin; 25 dms, Steel Ranger, Calcutta
TURPENTINE, GUM—50 cs, Myrmidon, Shanghai; 10 cs, Steel Ranger, Bombay

Tampa Exports

Clearance Dates

American Press, May 4; Angrer, May 7; Bradford City, May 9; General Tosta, May 3; Ida, May 6; Chastine Maersk, May 3; Vestvangen, April 27; W M Delphia, May 5

GASOLINE—8 dms, W M Delphia, Belize; 4 dms, Angrer, Trujillo; 8 dms, General Tosta, Belize
INSECTICIDE, AGRIC—2 dms, Vestvangen, Bridgetown
KEROSENE—3 dms, W M Delphia, Belize
PHOSPHATE—6,405 tons, Chastine Maersk, Yokohama; 2,200 tons, Ida, Venice; 9,204 tons, Bradford City, Yokohama; 3,447 tons, American Press, Hamburg

Coastwise Shipments

Corpus Christi Coast Trade

OIL, GAS—56,502 bbls, Chiloil, Baytown
PETROLEUM, CRUDE — 43,960 bbls, Dannedaike, Baytown; 77,245 bbls, Swiftlight, Baytown; 69,065 bbls, Beta, Baytown; 148,871 bbls, Wm Rockefeller, Baytown; 147,147 bbls, W S Farish, Baytown; 61,641 bbls, Alpha, Baytown; 111,215 bbls, J A Moffett, Jr, Baytown; 100,453 bbls, Sunoil, Baytown; 148,881 bbls, John D Archbold, Baytown; 43,920 bbls, Dolomite II, Baytown; 144,758 bbls, G Harrison Smith, Baytown
GASOLINE — 74,085 bbls, Esso Bayonne, Baytown
KEROSENE — 26,100 bbls, Esso Bayonne, Baytown; 93,856 bbls, Esso Boston, Baytown

Los Angeles Coast Trade

GASOLINE — 61,600 bbls, Baldbutte, Seattle; 10,669 bbls, Tejon, Portland; 63,508 bbls,

Cargo Ship Arrivals

May 14 to May 27

New York

Alegrete	Santos*	May 26
American Legion	Buenos Aires*	May 15
American Merchant	London	May 23
American Robin	Olympia	May 19
American Shipper	Manchester*	May 23
American Trader	London*	May 17
Ancon	Port au Prince*	May 23
Anita	Santos*	May 22
Anhalt	New Caledonia*	May 16
Bilderdijk	Rotterdam	May 19
Black Eagle	Rotterdam*	May 24
Black Osprey	Rotterdam*	May 18
Black Tern	Rotterdam*	May 22
Borinquen	Trujillo*	May 23
Bremen	Bremen*	May 26
Buenaventura	Port au Prince*	May 16
Cape Sable	Para	May 19
Chinese Prince	Hongkong*	May 26
Coamo	Trujillo*	May 16
Columbus	Bremen*	May 20
Consul Corfitzon	Gdynia	May 20
Conte de Savoia	Naples*	May 25
Cypria	Marseilles*	May 20
Europa	Bremen*	May 17
Exchange	Istanbul*	May 16
Exminster	Istanbul*	May 25
Floride	Havre	May 23
Floridian	Portland*	May 26
Fort Amherst	St John's*	May 25
Fort Townshend	St John's*	May 18
Georgic	Southampton*	May 22
Gerolstein	Antwerp	May 19
Giulia	Genoa*	May 26
Golden Sun	Honolulu*	May 23
Gripsholm	Gothenburg*	May 25
Henry S Grove	Mombasa*	May 24
Hamburg	Hamburg*	May 20
Hektor	Buenos Aires*	May 26
Herman F Whiton	Limton	May 25
J L Luckenbach	Seattle*	May 26
Jamaica	Puerto Colombia*	May 19
Kalinin	Odessa*	May 21
Kansai	Manila*	May 21
Kota Radja	Macassar*	May 17
Lancastria	Southampton*	May 16
Laplace	Santos*	May 17
Laura C	Trieste*	May 19
Lucia C	Trieste*	May 24
Mahout	Calcutta*	May 26
Marna	Tocopilla*	May 26
Mexico	Vera Cruz*	May 17
Mormacstar	Montevideo*	May 16
Muncaster Castle	Manila*	May 24
Munargo	Havana*	May 26
Nebraskan	Tacoma*	May 22
Nerissa	Trinidad*	May 21
New Brunswick	Takoradi	May 18
Nieuw Amsterdam	Rotterdam*	May 16
Norden	Yokohama	May 19
Nordvard	Hernosand	May 24
Normandie	Havre*	May 16
Olga S	Rotterdam*	May 21
Orizaba	Vera Cruz*	May 24
Otho	Freetown*	May 26
Panuco	Puerto Mexico*	May 18
Paris	Havre*	May 24
Penniand	Antwerp*	May 24
Pennsylvania	Portland*	May 20
President Roosevelt	Hamburg*	May 21
Puerto Rico	Ponce*	May 18
Queen Mary	Southampton*	May 23
Rio Verde	Lisbon	May 19
Roma	Genoa*	May 23
Sagoland	Manila	May 23
Samaria	Liverpool*	May 17
St Mihiel	San Juan*	May 17
San Anselmo	Portland*	May 18
San Clemente	Portland*	May 26
San Jacinto	Mayaguez*	May 26
San Juan	San Juan*	May 23
Santa Elena	Curacao*	May 23
Santa Lucia	Antofagasta*	May 16
Santa Paula	Curacao*	May 16
Saturnia	Trieste*	May 19
Scythia	Liverpool*	May 23
Seatrain Havana	New Orleans*	May 17
Seatrain New York	New Orleans*	May 24
Skagerak	Manila*	May 25
Slemmestad	Manila	May 13
Southern Prince	Buenos Aires*	May 25
Statendam	Rotterdam*	May 26
Stavangerfjord	Oslo*	May 20
Steel Scientist	Batavia*	May 25
Susan V Luckenbach	Seattle*	May 19
Talamanca	Cristobal*	May 22
Tawali	Macassar*	May 23
Taybank	Shanghai*	May 21
Texan	Portland*	May 19
Texas Ranger	Houston*	May 17
Texas Trader	Houston*	May 24
Tivives	Puerto Barrios*	May 19
Trentbank	Calcutta*	May 26
Troubadour	Montevideo	May 20
Tugela	Santos*	May 25
Tuscania	Glasgow*	May 23
Uyo	Yokohama*	May 19
Vincent	Dunkirk	May 17
Volendam	Rotterdam*	May 24
Washington	Hamburg*	May 26
West Cusseta	Havre	May 24
Yamazato	Yokohama	May 25

* And other ports

GASOLINE (Continued):—
Dirigio, Seattle; 8,930 bbls, San Diegan, San Diego; 17,046 bbls, La Purisima, San Diego; 7,864 bbls, San Diegan, San Diego; 62,169 bbls, Mojave, Seattle; 31,910 bbls, Edwin B de Golio, San Francisco; 4,306 bbls, La Purisima, Seattle
KEROSENE — 4,000 bbls, Baldbutte, Seattle; 7,957 bbls, La Purisima, Oleum
OIL, DIESEL — 9,700 bbls, Baldbutte, Seattle; 8,607 bbls, Dirigio, Seattle; 1,452 bbls, San Diegan, San Diego; 2,298 bbls, La Purisima, San Diego; 1,469 bbls, San Diegan, San Diego; 13,242 bbls, Mojave, Seattle; 5,418 bbls, Edwin B de Golio, San Francisco; 2,355 bbls, La Purisima, Seattle
FUEL — 50,146 bbls, Topila, San Francisco; 58,731 bbls, Tejon, Portland; 2,434 bbls, Coast Merchant, Portland; 65,447 bbls, Frank G Drum, Avon; 17,223 bbls, La Purisima, San Diego; 49,737 bbls, Torres, Seattle; 7,323 bbls, Mojave, Seattle; 32,567 bbls, La Purisima, Seattle
PETROLEUM, CRUDE — 79,550 bbls, La Placentia, Oleum
SOLVENTS, CLEANING — 4,463 bbls, La Purisima, Oleum

New Orleans Coast Trade

CARBON BISULPHIDE — 2 dms, Meanticut, Galveston

San Francisco Coast Trade

ALCOHOL—77 dms, West Planter, Portland, Ore
20 tons, Point San Pablo, Seattle
ALUMINA SULPHATE—400 sks, Point San Pablo, Tacoma
400 sks, West Shipper, Portland, Ore
667 sks, Brookings, Portland, Ore
AMMONIA—56 cyls, Silverado, Seattle
ASPHALT—125 dms, Coast Farmer, Portland, Ore
BONE MEAL — 500 sks, Point San Pablo, Seattle
18 tons, 360 sks, West Shipper, Portland, Ore
BORAX—260 sks, West Planter, Portland, Ore
CLEANING COMP — 650 cs, West Shipper, Portland, Ore
COTTONSEED MEAL — 300 sks, Silverado, Seattle
500 sks, West Planter, Portland, Ore
CRACKLINGS—500 sks, West Planter, Portland, Ore
500 sks, Brookings, Portland, Ore
GASOLINE — 6,600 bbls, J C Fitzsimmons, Seattle
LARD SUBSTITUTE — 96 dms, Silverado, Seattle
100 pkgs, West Shipper, Portland, Ore
LEAD ARSENATE — 800 cs, West Planter, Portland, Ore
LIME—1,200 sks, Brookings, Portland, Ore
OIL—46 tons, Pennsylvania, Newark
LUBRICATING—126,000 gls, Pennsylvania, Bayonne
956 pkgs, Point San Pablo, Seattle
OLEOMARGARIN — 2,000 cs, West Planter, Portland, Ore
2,000 cs, West Shipper, Portland, Ore
PAINT—1,151 pkgs, Silverado, Seattle
585 pkgs, West Planter, Portland, Ore
726 pkgs, Point San Pablo, Seattle
EARTH—18 tons, Pennsylvania, Newark
PETROLEUM PRODUCTS — 3,000 pkgs, Silverado, Seattle
SALT—560 pkgs, Silverado, Seattle
408 sks, Coast Miller, Seattle
1,580 pkgs, Point San Pablo, Seattle
1,471 pkgs, West Shipper, Portland, Ore
21 tons, West Shipper, Portland, Ore
480 sks, Brookings, Portland, Ore
SOAP—560 cs, Silverado, Seattle
540 pkgs, Point San Pablo, Seattle
SODA SILICATE—60 dms, Silverado, Seattle
SOLVENT, STODDARD—1,900 bbls, J C Fitzsimmons, Seattle
SPRAY, TREE—925 cs, Silverado, Seattle
1,426 cs, West Planter, Portland, Ore
1,600 cs, West Shipper, Portland, Ore
THINNER, PETROLEUM—1,900 bbls, J C Fitzsimmons, Seattle
WAX—125 sks, West Planter, Portland, Ore

Recent Charters

MANGANESE ORE—7,000 tons, S S Oltul, Vizagapatam to Workington, 23s 6d; May-June
PETROLEUM—4,373 tons, S S Voreda, clean, Venezuela to United Kingdom, Continent, 10s; Gulf, 12s; June
5,397 tons, S S John Knudsen, dirty, four trips, Gulf to Havre, commencing June-July; first trip at 13s 9d; on following voyages the market rate 15 days prior to day vessel leaves loading port will be paid
3,213 tons, S S Acasta, dirty, Gulf to United Kingdom, Continent, 12s 9d; June-July
3,741 tons, S S Sveve, clean, San Pedro, Calif, to United Kingdom, Continent, 18s; July
13,000 tons, S S ——, dirty, Gulf to Havre, 12s 6d; July
3,177 tons, S S Elsa, clean, Gulf to North Spain, 13s 6d; June-July
—— tons, S S ——, dirty, Gulf to Havre, 12s 6d; July
4,752 tons, S S Solheim, dirty, Sumatra, no destination given; June-July
3,063 tons, S S Oilfield, clean, Gulf to United Kingdom, Continent, 12s; June
—— tons, S S —— (Mallory), fuel oil, Gulf to North of Hatteras, 15½c a barrel; June
4,692 tons, S S Lumen, clean, Aruba to United Kingdom, Continent, 11s; Gulf, 13s; June
—— tons, S S ——, fuel oil, Gulf to North of Hatteras, 15½c a barrel; June
3,814 tons, S S Orkanger, clean, Gulf to Havre, 13s 6d; June
SALT—7,500 tons, S S ——, Aden to Calcutta, Rs 7; May 15-30

Imports Detained on Page 64

Informative Literature

Send the numbers of what you want to the Reporter on a postcard. Copies will be sent without charge.

Aromatics:—Aromatic Chemicals, Inc., this city, has published the April issue of "Lab-Scents." Many helpful hints on the use of proper preparation odors are included in its contents. **(625)**

Chemicals:—R. W. Greeff & Co., this city, has issued a new catalogue of the industrial, pharmaceutical and fine chemicals, and solvents and specialties which it distributes. **(626)**

Fertilizer Ingredients:—The American Potash & Chemical Corporation, this city, has published a booklet on the importance of boron as a plant food ingredient. It describes the boracic materials and the results of boron deficiency in plant nutrition. **(627)**

Instruments:—The Brown Instrument Company, Philadelphia, has published a folder describing its newly introduced pneumatic remote control transmission system, for use where hazardous conditions do not permit electrical instrument transmission installations. **(628)**

Insecticide Base:—The Shell Petroleum Corporation, St. Louis, Mo., has just released a folder entitled "What's New in the Insecticide Field?" which describes Shell Odorless Insecticide Base. **(629)**

Pigment:—The General Dyestuff Corporation, this city, is offering literature describing and showing color chips to its new peacock blue color "Heliogen." It is marketed as a blue powdered toner and as a water soluble dyestuff. **(630)**

Processing Equipment:—The Alsop Engineering Corporation, Milldale, Conn., is distributing its 1938 catalogue describing the mixing, filtering, packaging and other equipment made by the company. Quite a number of new or redesigned units are described in this new book. **(631)**

Technical Books:—Catalog No. 6, listing and describing chemical, bacteriological, pharmaceutical, medical, engineering, electrical and general scientific and other technical books of all American and British publishers, will be mailed by the Chemical Publishing Company, this city, to any chemist, engineer, scientist or professor sending 10 cents in stamps or coin to cover mailing.

Water-proof Paint:—The Tamms Silica Company, Chicago, has issued a circular on 'Tamtex,' which informs that the color range for watr-proof cement paint has been increased by the addition of several new shades, giving unusual color harmonies heretofore thought impractical.

Foreign Trade Openings

Correspondence in regard to any of the following trade openings should be addressed to the Bureau of Foreign and Domestic Commerce, Washington, D. C., or to any direct office or co-operative office of the bureau and not to this publication. When writing give the number of the item:—

Alcohol, ethyl:—Purchase; Trieste, Italy (6453).

Drugs:—Agency; Guatemala, Guatemala (6390).

Chemicals:—Purchase; Kaunas, Lithuania (6391).

Carbon, Black:—Purchase; Tientsin, China (6455).

Chrome, Yellow:—Purchase; Tientsin, China (6455).

Ethylene Gas:—Purchase; Algiers, Algeria (6451).

Lithopone:—Purchase, Tientsin, China (6455).

Naphthalene, Balls:—Purchase, Istanbul, Turkey (6393).

Petroleum Products:—Purchase; London, England (6456).

Pharmaceuticals:—Agency; Alexandria, Egypt (6427).

Resins, synthetic:—Agency; Prague, Czechoslovakia (6314).

Rosin:—Purchase; Sofia, Bulgaria (6370).

Rosin:—Agency, Rio de Janeiro, Brazil 6429).

Rosin and Rosin Oil:—Purchase; Dundee, South Africa (6389).

Titanium Dioxide:—Purchase; Tientsin, China (6455).

Titanium Pigment:—Purchase; London, England (6452).

Trade Briefs

National Paint Salesmen's Clubs will hold its second annual convention in the Senate hotel, Atlantic city, September 23 to 25.

Fabrica De Pinturas Kli-Per has moved to its new office and plant at Capdevila, Carretera de Rancho Boyeros, Havana, Cuba.

Medley G. B. Whelpley, president of the Anglo-Chilean Nitrate Company, this city, has elected a trustee of the New York Trust Company.

C. V. Terrell, chairman of the Texas Railroad Commission, has asked Texas oil operators to curtail drilling activities for an indefinite period.

Standard Oil Company of New York will introduce, June 1, a new line of petroleum products for aviation use, under the brand name, "Esso."

H. G. Perry, of Balfour, Guthrie & Co., Ltd., importers and refiners of oils and fats, this city, returned last week from a business trip in the South.

Edward L. Heller, mining engineer, has resigned from the staff of the Empire Zinc Company, Gilman, Colo., and entered the Harvard School of Business.

Sylvester Richard Kass, formerly technical director for Atlas Refinery, Inc., has joined the Crown Oil Products Corporation, Long Island city, in the same capacity.

Standard Silver-Lead Mining Company has purchased the Malone Mines Company group consisting of twelve claims and three mill sites, situated in Grant county, New Mexico.

E. A. Hamilton, of the U. S. Smelting, Refining & Mining Company, Salt Lake City, Utah, has been elected governor of the Utah Chapter of the American Mining Congress.

Petroleum liquefied gases produced and distributed in California increased to 29,910,000 gallons in 1937 from 23,718,000 gallons in 1936, according to the Bureau of Mines.

F. E. Eckert, of Hanley & Bird, Bradford, Pa., has been elected chairman of the advisory committee of the Eastern district production division of the American Petroleum Institute.

Christy Payne, jr., of the Peoples Natural Gas Company, Pittsburgh, Pa., has been elected 1938-39 chairman of the Eastern district production division of the American Petroleum Institute.

Federal Mining & Smelting Co. special stockholders' meeting called to consider the reduction in preferred stock of the company and adjourned May 11, is scheduled to reconvene May 27.

General Electric Company has formed a new standard department to better coordinate activities in the development and application of standards, both within and without the company. L. F. Adams will serve as manager and assistant to E. O. Shreve, vice-president.

American Trader, a tanker built at the cost of approximately $1,000,000 with a cargo capacity of 4,700,000 gallons, was put into commission at Chester, Pa., May 13, where it was constructed. The tanker is one of six to be built for the American Trading & Production Co., Baltimore.

Paint Credit Ass'n Hears S.C. Dunning

Stanley C. Dunning, president of the New York Paint, Varnish and Lacquer Association, was honored guest and speaker at a meeting of the Paint and Allied Credit Association and the Building Trades Employers Association in this city, May 10.

Mr. Dunning in his address emphasized how the salesmen, the production men, the credit departments and other branches of the industry were all so equally important and how all working co-operatively should be sales-minded.

It was reported that a careful investigation of local credit and collection conditions brought out the very interesting fact that local failures in the dealer trade for the first four months of 1938 were actually less than the same period a year ago—thus indicating the excellent control of the Paint and Allied on the credit situation in the metropolitan market.

What You Can Use

Various Materials That Are Suitable for Operating Purposes in Chemical Processing Industries

Fully protected by Copyright

Two-hundred-twenty-eighth Instalment

Linoleum

Driers and Flatteners for Linseed Oil in Making Linoleum

(Continued from May 16 issue)

Copper naphthenate
Copper oleate
Copper resinate
Lead acetate
Lead borate
Lead laurate
Lead linoleate
Lead naphthenate
Lead oleate
Lead oxide
Lead resinate
Lead stearate
Lead tungate
Lead-manganese linoleate
Lead-manganese resinate
Litharge with lead acetate
Magnesium oleate
Magnesium stearate
Manganese acetate
Manganese borate
Manganese carbonate
Manganese chloride
Manganese dioxide (black oxide)
Manganese hydroxide
Manganese linoleate
Manganese naphthenate
Manganese oleate
Manganese resinate
Manganese stearate
Manganese sulphate
Manganese tungate
Manganese-lead resinate
Nickel linoleate
Nickel naphthenate
Nickel resinate
Nuodex cobalt
Nuodex lead
Nuodex manganese
Oilsolate driers
Red lead
Sodium oleate
Soligen cobalt
Soligen cobalt-zinc
Soligen lead-cobalt
Soligen lead cobalt-manganese
Soligen manganese
Soligen special CP
Soligen zinc-manganese
Zinc borate
Zinc palmitate
Zinc stearate
Zinc resinate

Pigments Used in Linoleum

Achlor
Albalith
Alkali blue toner
Aluminum minium
Aluminum sulphide
Ambrox
American yellow
American vermilion
Anilin black
Anilin lakes
Animal blacks
Annatto
Antimony trioxide
Antimony orange
Antimony oxide
Antimony vermilion
Antimony white
Antwerp blue
Asbestine
Azure blue
Barium carbonate
Barium chloride
Barium chromate
Barium sulphate
Barium tungstate
Barium salt of 2-chloro-anilinazo-2-naphthol-6-sulphonic acid
Barytes
Bauxite
Bistre
Blacks
Blanc fixe
Boneblack
Brilliant green
Bremen blue
Brilliant scarlet
Brunswick green
Cadmium chromate
Cadmium sulphide
Cadmium tungstate
Cadmium yellow
Cappagh brown
Calcium sulphate
Carbon black
Carmine with oxides of aluminum, copper, calcium, iron, tin, and magnesia
Chinese blue
China clay
Chinese green
Chinese red
Chromates
Chrome green
Chrome orange
Chrome oxide green
Chrome yellow
Chromic acid
Chromium oxide
Chromium sulphate
Coaltar colors
Cobalt blue
Cobalt carbonate
Cobalt green
Cobalt oxide
Cobalt phosphate
Cobalt tungstate
Cobalt ultramarine
Cobalt zincate
Cobalt-potassium nitrite
Coblacs
Cochineal
Coeruleum
Colcothar
Copperas
Copper acetate
Copper carbonate
Copper chloride
Copper hydroxide
Copper oxide
Copper oxychloride
Copper subacetate
Copper sulphate
Crocus martis
D-C globlak
Derby red
Dixie clay
Drop black
Douglas green
Dualox
Earth colors
Ferric chromate
Ferric oxide
Ferrite black
Ferrite yellow
Ferrous sulphate
Frankfort black
Gamboge
Glauconite
Guignet's green
Hy-opax
Indian red
Iron oxides
Iron reds
Iron rouge
Ivory black
Jamander
Kaolin
Krebolith
Kosmovar
Kosmos BB, 3XB, 2
King's yellow
Lake colors
Lakoblak
Lampblack
Lead acetate
Lead antimonate
Lead carbonate
Lead chromate
Lead molybdate
Lead oxides
Lead sulphate
Lead tetroxide
Lead titanate
Lead tungstate
Litharge
Lithopone
Lime blue
Madder
Magnesite
Magnesium carbonate
Magnesium oxide
Manganese borate
Manganese dioxide
Mapico black
Mapico red No. 110, L 110, M 135, 516
Mapico brown No. 918, 419, 420, 421
Mapico yellows
Meltopax
Mercuric iodide
Mercuric oxide
Mercuric sulphide
Milori blue
Mineral green
Molybdic acid
Montpelier yellow
Naples yellow
Neo-spectra
Naphthol green
Nickel oxides
Ochers
Opax
Orange lakes
Oxide reds
Para reds
Pigment colors
Paris blue
Persian red
Potassium ferricyanide
Potassium ferrocyanide
Prussian black
Prussian blues
Prussian green
Purple oxide
Purple of cassius
Red bole
Red lead
Rinman's green
Rosalic acid
Royal spectra
Ruben's brown
Satin white
Scarlet red
Seladonite
Setit
Sienna, burnt
Sienna, raw
Sepia
Silica
Silex
Sodium molybdate
Soluble blue
Strontium oxide
Strontium white
Terra verte
Super spectra
Superba
Supertex
Talc
Terra alba
Thenard's blue
Thermax
Tin oxide
Titanium oxide
Titanium sulphate
Titanium white
Titanox B, C
Titanasil
Ti-tone white
Tolamite
Toluidin reds
Turkey reds
Turmeric
Turnbull's blue
Turner's yellow
Ultramarine
Umber, burnt
Umber, raw
Van Dyke brown
Venetian red
Vermilion
Victorian green
Victorian red
Whiting
White lead
Zanth
Zinc chromate
Zinc green
Zinc oxide
Zinc sulphate
Zinc sulphide
Zinc white
Zircon
Zircopax
Zirconium oxide

Linolic Acid

Catalysts Used in Hydrogenating Linolic Acid

Barium chloride
Barium sulphate
Calcium carbonate
Carbon
Cobalt
Hydrazine chloride
Hydrochloric acid
Hydroxylamine chloride
Iridium
Iridium hydroxide
Kieselguhr
Magnesium
Magnesium carbonate

(To be continued)

Industrial Uses of Chemicals and Related Materials

(Formerly styled "Where You Can Sell")

Producers' Guide to New Markets Technical Information for Processors

Fully protected by copyright

Five-hundred-ninety-fourth Recapitulative Instalment

(Parenthetical references are to the numbers of patents in the United States or other countries, as designated)

Camphor

(Continued from May 16 issue)

Electrical

Plasticizer in—
- Compositions, containing cellulose acetate, nitrocellulose, or other esters or ethers of cellulose, used in making electrical insulations and for insulating electrical machinery and equipment

Explosives and Matches

Plasticizer in making—
- Explosives containing nitrocellulose
- Night lights
- Pyrotechnic compositions
- Smokeless powders

Fats and Oils

Preservative for—
- Oils

Firefighting

Ingredient of—
- Chemical fire-extinguishing mixtures with carbon tetrachloride (various patents)
- Fireproofing composition (U.S. 1241738)

Glass

Ingredient of—
- Lubricant (with turpentine) used in cutting, boring and grinding glass

Plasticizer in—
- Compositions, containing cellulose acetate, nitrocellulose, or other esters or ethers of cellulose, used in the manufacture of nonscatterable glass and as coatings for decorating and protecting glassware

Insecticide

As a moth repellant

Ingredient of—
- Insecticidal preparations for moths
- Termite repellant (French 606215)

Leather

Plasticizer in—
- Compositions, containing cellulose acetate, nitrocellulose, or other esters or ethers of cellulose, used in making artificial leather and as coatings for decorating and protecting leather goods

Mechanical

Ingredient (U.S. 1372639) of—
- Composition for removing carbon from internal-combustion engines
- Fuels for internal-combustion engines

Metal Fabricating

Plasticizer in—
- Compositions, containing cellulose acetate, nitrocellulose, or other esters or ethers of cellulose, used as coatings for decorating and protecting metal ware

Miscellaneous

Ingredient of—
- Artificial hair (U.S. 1505043, 1350820, and 1217028)
- Automobile polish (French 670760)
- Boat-mending composition (U.S. 1389084)
- Deodorants (U.S. 1346337 and 1515364)
- Embalming preparations
- Fat-reducing compound (U.S. 1369997)
- Fluorescent screen (U.S. 1480896)
- Furniture polish (U.S. 1363419)
- Liquid fuel (U.S. 1496260)
- Waterproofings (various patents)

Plasticizer in—
- Compositions, containing cellulose acetate, nitrocellulose, or other esters or ethers of cellulose, used as coatings for decorating and protecting various fibrous products

Oral Hygiene

Ingredient of—
- Dentifrices

Paint and Varnish

Plasticizer in—
- Compositions, containing cellulose acetate, nitrocellulose, or other esters or ethers of cellulose, used as paints, varnishes, enamels, dopes, and lacquers

Paper

Plasticizer in—
- Compositions, containing cellulose acetate, nitrocellulose, or other esters or ethers of cellulose, used in the manufacture of coated paper and as coatings for decorating and protecting paper and pulp products

Petroleum

Deteriorating reducer (U.S. 1930248) for—
- Antiknock gasoline during storage

Improver (Brit. 404046) of—
- Exhaust odors of gasoline fuels

Pharmaceutical

In compound and dispensing practice

Photographic

Plasticizer in making—
- Films from cellulose acetate, nitrocellulose, or other esters or ethers of cellulose

Plastics

Plasticizer in making—
- Plastic compositions from cellulose acetate, nitrocellulose, or other esters or ethers of cellulose

Resins

Process material in making—
- Resins

Rubber

Plasticizer in—
- Compositions, containing cellulose acetate, nitrocellulose, or other esters or ethers of cellulose, used as coatings for protecting and decorating rubber goods

Soap

Ingredient of—
- Degreasing composition (U.S. 1219967)
- Detergent (U.S. 1219967)

Preservative for—
- Oils

Stone

Plasticizer in—
- Compositions, containing cellulose acetate, nitrocellulose, or other esters or ethers of cellulose, used as coatings for decorating and protecting artificial and natural stone

Textile

Plasticizer in—
- Collar-waterproofing composition (U.S. 1453764)
- Compositions, containing cellulose acetate, nitrocellulose, or other esters or ethers of cellulose, used in the manufacture of coated textiles

Wood

Plasticizer in—
- Compositions, containing cellulose acetate, nitrocellulose, or other esters or ethers of cellulose, used as coatings for protecting and decorating woodwork
- Plastic compositions of cellulose esters or ethers used to decorate, fill, and repair woodwork

---

Mercury

(Argentum Vivum, Hydrargyrum, Hydrargyrum Vivum, Mercure, Mercure Purifie, Mercurio, Mercurius Vivus, Quecksilber, Quicksilver, Vif Argent)

Aviation

Process material in making—
- Manifolds for airplane engines (U.S. 1282266 and 1282269)
- Propellors for airplanes (U.S. 1335846, 1343191, 1282265, 1282268, and 1282270)

Chemical

Base material in making—
- Double salts, such as ammonium chloride, potassium cyanide, potassium iodide, potassium thymolsulphonate, silicylarsenate
- Mercuric compounds, such as acetate, benzoate, bromide, chloride, cyanide, formate, iodide, lactate, mercaptide, nitrate, oleate, linoleate, oxides, oxycyanide, salicylate, succinimide, sulphates, sulphides, sulphocyanate
- Mercurous compounds, such as bromide, chloride, formate, iodide, nitrate, oxide, sulphate, tannate

Base material in making—
- Mercury fulminate
- Pharmaceuticals, such as thymegol, enesol, mercurochrome, mercurol, mercurosal, and the like

Catalyst in making—
- Acetaldehyde (U.S. 1151928, 1151929, 1436550, 1184177, 1247270, 1319365, 1431301, 1489915, and 1501502)
- Acetic anhydride (U.S. 1425500)
- Acetic acid (U.S. 1128780, 1159376, and 1431301)
- Acetylene oxidation products (U.S. 1355299)
- Ammonia (U.S. 1495655, and 1396557)
- Anilin (U.S. 1239822)
- Anthraquinonesulphonic acids (U.S. 1437571)
- Benzene nitration or oxidation products (U.S. 1380185, and 1380186)
- Para-aminophenol (U.S. 1239822)
- Various other organic chemicals
- Vinyl esters (U.S. 1425130)

Cathode in—
- Electrochemical processes

Process material in making—
- Activated carbons (U.S. 1520437)
- Aurintricarboxylic acid derivatives (U.S. 1412440)
- Ammonium formate (U.S. 1185028)
- Calcium formate (U.S. 1185028)
- Carbon blacks (U.S. 1498924)
- Cinnabar (U.S. 1137467)
- Dinitrophenol-2:4 (U.S. 1320076)
- Formic acid (U.S. 1185028)
- Hydrochloric acid (U.S. 1498924)
- Hydrogen peroxide (U.S. 1904101)
- 4-Hydroxymeta-arsanilic acid (U.S. 1232373)
- Lampblack (U.S. 1498924)
- Lead sulphate (U.S. 1485794)
- Lithopone (U.S. 1455963)
- Nitrobenzene (U.S. 1320076 and 1320077)
- Nitrophenol (U.S. 1320076 and 1320077)
- Phthalic anhydride (U.S. 1261022, and 1443094)

Starting point in making—
- Albumen compounds
- Alkali amalgams
- Alkali-earth amalgams
- Colloidal suspensions
- Dibromofluorescein derivatives (U.S. 1455495)
- Glucosides (U.S. 1354105)
- Hydroquinolphthalein derivatives (U.S. 1455495)
- Methylfluorescein derivatives (U.S. 1455495)
- Picric acid (U.S. 1320076 and 1320077)
- Vermilions and scarlets

Disinfectant

Process material in making—
- Bactericides (U.S. 1145634)

Electrical

As such in—
- Arc lamps of the mercury type
- Electric devices of various kinds
- Rectifiers of the electric current
- Ultraviolet ray equipment

Bath (U.S. 1328530) in—
- Sealing glass bulbs

Color varier in—
- Neon sign gaseous mixtures

Ingredient (U.S. 1352331, 1138220, and 1138221) of—
- Electrolytes

Plating agent (U.S. 1366489) for—
- Electrodes

Preventer (U.S. 1393739) of—
- Corroding of zinc electrodes (in combination with bismuth)

Process material in making—
- Batteries (wet and dry) (U.S. 1174798, 1134093, 1211388, 1486613, 1138220, 1139213, 1342953, 1299693, 1497160, 1370119, and 1342953)

Explosives and Matches

Base material in making—
- Fulminate of mercury

Process material in making—
- Picric acid (U.S. 1320076 and 1320077)

Glass

Silvering agent in amalgamation with tin for—
- Mirrors and reflectors

Lubricant

Mercurating agent (Brit. 433257) in making—
- Addition agents for high-temperature lubricants

Mechanical

Heat-transfer medium in—
- Mercury boilers

Ingredient of—
- Boiler compounds (U.S. 1181562, and 1210965)

Starting point in making—
- Boiler compounds with castor oil

Metallurgical

As a rustproofing agent (U.S. 1518622)

Current carrier (Brit. 403404) in—
- Electrical heat-treatment of metals

Electrode in—
- Electroplating processes

Hardening agent (U.S. 1360346, 1360347, and 1360348) for—
- Lead

Ingredient of—
- Alloys
- Bearing metals (U.S. 1360272, 1360346, and 1360347)
- Dental alloys
- Special solders
- Special soldering fluxes

Starting point in making amalgams with—

Bismuth	Silver
Copper	Sodium
Gold	Tin
Lead	Zinc
Potassium	

Mining

Amalgamating agent in extracting—
- Gold from its ores
- Precious metals from lead, gold, and silver ores
- Silver from its ores

Miscellaneous

Amalgamating agent in—
- Dentistry

Indicator in—

Barometers	Thermometers
Hydrometers	

Ingredient of—
- Dental fillings

Process material in—
- Chinese gilding process

Sharpening agent (U.S. 1314450) for—
- Files

Paint and Varnish

Starting point in making—
- Mercury linoleates, resinates, palmitates, and other soaps
- Vermilion pigments

Paper

Drying agent (U.S. 1147808 and 1147809)

Petroleum

Process material (U.S. 1373653) in making—
- Gasoline

Pharmaceutical

Ingredient of—

Ointments	Powders
Pills	

Mercurating agent in making—
- Antisyphilitics
- Diurectics (Brit. 447877)

Photographic

Drying agent (U.S. 1232077) for—
- Motion picture film

Intensifier (U.S. 1433806) for—
- Photographic images

Printing

Process material (U.S. 1377517) in making—
- Printing plates

Resins

Catalyst (U.S. 1377517) in making—
- Phenol-aldehyde condensates

Soap

Ingredient of—
- Medicinal soaps and soap ointments

Textile

Drying agent (U.S. 1147808 and 1147809) for—
- Cotton fabrics

Business Wants and Offers

Minimum rate (36 words), without display, $2.00 per insertion; 25c for each additional 6 words

Payable in advance at 59 John Street, New York

Agencies Wanted

TO RAW MATERIAL producers for the varnish, paint, and allied trades. Let the national reputation of your specialty assume an international one. Advertiser able to exploit the European market from London as representative, or might arrange facilities for local production or finishing under arrangement. Address full particulars of product and markets to J. A. Davies, 307 Gayley street, Media, Penna.

SALES AGENTS located in Cincinnati for twenty years covering part of Ohio and Louisville, Kentucky, would be interested in representating producers of raw materials used in paint, varnish, lacquer, paper, ink, rubber, soap or other industries. BOX 841, Oil, Paint and Drug Reporter.

AGENCIES WANTED—New York jobbing and importing firm established over twenty years is interested in securing new connections for the sale of raw materials, by-products, or chemical specialties. BOX 845, Oil, Paint and Drug Reporter.

MANUFACTURERS AGENT covering Indiana can handle additional line. If you want representation in this territory write BOX 851, Oil, Paint and Drug Reporter.

PARISIAN COMPANY having branch in London with finest references and widespread contacts in all markets, interior and exterior, seeks sales agencies for American companies of responsibility. BOX 852, Oil, Paint and Drug Reporter.

Equipment Offered

FOR SALE—two 6x8 pebble mills, 16x40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

Equipment Offered

CONSOLIDATED OFFERS—Five Sweetland filters, up to No. 12, twenty plate-frame and recessed types filter presses, iron, bronze, wood, all sizes; forty centrifugal machines up to 60 inches; twenty-five copper jacketed kettles with and without agitators, up to 500 gallons; vacuum dryers, W. & P. mixers, rotary dryers, pulverizers, tanks, kettles, etc. Send inquiries to Consolidated Products Company, Inc., 15-17-19 Park Row, New York, N. Y.

FOR SALE: One Ross 3-roll mill 16 x 40, three Ross change can mixers, clarifiers, mixing tanks, pebble mills, etc. Bulldog Factory Service Co., 4209 Buchanan street, Detroit, Mich.

Factories Offered

BRICK FACTORY: One story 50 x 90, concrete floor, sprinklers, railroad siding, live steam available 24 hours per day. Unrestricted district in Brooklyn. Low rent. The R. L. Kraft Company, Woolworth Building, New York City, COrtlandt 7-9377.

Investment Offered

WANTED FINANCE to develop ozokerite, Virgin ground; will sell. Harry Fox, P. O. Box 345, Soldier Summit, Utah.

OWING TO DEATH of a partner, controlling interest in small plant (near New York) manufacturing stable basic chemicals available to man with or without chemical or manufacturing experience and $10,000 to $15,000. BOX 856, Oil, Paint and Drug Reporter.

Plant Space

SUBLET PART of plant—Complete paint manufacturing plant including mixers, grinders, centrifugal machines. Also cooking and fusing burners and equipment. Ideally located and well laid out. Ample space and use of machinery to right party. X-Pando Corporation, Long Island City.

Positions Vacant

CHEMIST WANTED with experience in formulating industrial paint line—production or maintenance finishes. We now manufacture complete line of trade sales products but desire to expand our industrial division. Good salary for capable man who knows how to manufacture alkyd and other resins and how to formulate modern synthetic finishes. This is excellent opportunity to join progressive and well established manufacturer. Give experience in full, training and age in first letter. All communications confidential. BOX 857, Oil, Paint and Drug Reporter.

VARNISH MAKER wanted; experienced metropolitan district, full line. BOX 853, Oil, Paint and Drug Reporter.

EXPERIENCED MAN wanted to run roller mills and mix paste batches. State full particulars. New York City. BOX 854, Oil, Paint and Drug Reporter.

WANTED general help paint and enamel factory; experienced making mixtures, billing etc. Brooklyn. BOX 855, Oil, Paint and Drug Reporter.

Positions Wanted

PRINTING INK chemist familiar with lacquers and synthetics and the dry color industry, desires position in either field with reliable company. Will locate anywhere. BOX 840, Oil, Paint and Drug Reporter.

ACCOUNTANT-Office Manager—Christian, business and managerial background—credits, auditor and export. Salary nominal. Twenty years paint experience. BOX 850, Oil, Paint and Drug Reporter.

Services Offered

CHEMISTS and chemical engineers—If you are now unemployed, send your complete chronological record of education and experience to Chemist Advisory Council, 300 Madison avenue, New York City.

WE HAVE facilities for manufacturing, drying, grinding, pulverizing, mixing and packing special chemicals. Location, Brooklyn. Let us quote on your requirements. BOX 825, Oil, Paint and Drug Reporter.

Surplus Stock

BUYERS of any quantity surplus or by-product chemicals, greases, waxes, oils, solvents, colors, metal and all raw materials. We pay highest prices. Will also buy complete plant inventory. Write Barclay Chemical Company, Inc., 75 Varick street, New York City. WAlker 5-4250.

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CONSOLIDATED PRODUCTS CO., Inc.

15-17-19 Park Row, New York City BArclay 7-0600

Plant: 335 Doremus Avenue, Newark, N. J.

Send for Consolidated News — Complete Listings

Imports Detained

Detentions recently effected at various ports by United States authorities on determinations by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food and drug act or did not comply with other customs regulations, included the following articles for the reasons stated:—

New York

Week Ended May 18

Anise seed, 40 bags; filthy.
Balsam, 20 cases; restricted use.
Cardamon (2 shipments), 25 cases; filthy.
Cod oil, industrial, 234 drums; restricted use.
Medicinal preparation (2 shipments), 2 cases; false therapeutic claims.
Sage, 25 bales; filthy.
Sesame seed, 67 bags; filthy.

Boston

Week Ended May 18

Fennel seed, 20 bags; filthy.

Los Angeles

Week Ended May 12

Condiment, 3 cases; false and misleading statements.
Medicinal preparations, 12 pieces; false therapeutic claims.

San Francisco

Week Ended May 12

Medicinal preparations, 24 pieces; false therapeutic claims.

N.Y. Paint Golfers To Play May 26

The "Save the Surface" golfing unit of the New York Paint, Varnish and Lacquer Association will open the season May 26 at the Echo Lake Country Club, Westfield, N. J.

Jersey Central trains run to Westfield from Liberty street at 9:00, 10:15 and 11:10 a.m. and 12:10 and 1:15 p.m. The automobile route is the popular 29.

Arrangements are being handled under the direction of H. B. McCreary, of the United Carbon Company.

Pfaltz & Bauer, Inc., Empire State building, importers of scientific instruments and laboratory apparatus, have just issued a new booklet and price list on equipment for fluorescence microscopy. Copies will be sent upon request.

Dividends Declared

Class and period.	Amt.	Pay.	Record.
Am. Chicle Co. Com. (Q)	$1.00	June 15	June 1
Am. Chicle Co. Com. (Ex.)	.50	June 15	June 1
Asrland Oil & Ref. Co. Com. (Q)	.10	June 30	June 20
Atlas Powder Co. Com.	.50	June 10	May 31
Beech-Nut Pack. Co. Com. (Q)	1.00	July 1	June 10
Beech-Nut Pack Co. Com. (Ex.)	.25	July 1	June 10
Continental Can Co. (Pfd. (Q)	1.12½	July 1	June 10
Du Pont de Nemours & Co. Com.	.50	June 14	May 23
Hires Co. Cl. A. Com. (Q)	.50	June 1	May 14
Humble Oil & Ref. Co. Com.	.37½	July 1	June 1
Metal & Thermit Corp. Com. (Q)	1.00	June 10	June 1
Monroe Chem. Co. Pfd. (Q)	.87½	July 1	June 15
National Lead Co. Cl. A. Pfd. (Q)	1.75	June 15	May 27
N. J. Zinc Co. Com.	.50	June 10	May 20
Peoples Drug Stores Com. (Q)	.25	July 1	June 8
Pitts. Plate Glass Co. Com.	.25	July 1	June 10
Stand. Oil Co., Ohio Com. (Q)	.25	June 15	May 31
Kennecott Copper Corp. Com.	.25	June 30	June 3
Magma Copper Co. Com.	.35	June 15	May 15
Stand. W'sale Phos. Co. Com.	.35	May 30	May 27

Corporation Earnings Recently Reported

	Period.	1938 Net income.	1938 Per share.	1937 Net income.	1937 Per share.
American Cyanamid Co	Qtr.	94,077	.03	1,364,640	.54
American Home Products Co	Qtr.	$741,554	$1.00	$860,512	$1.16
American Metal Co., Ltd	Qtr.	529,891	.35	866,572	.53
Archer-Daniels-Midland Co	9 mos.	873,786	1.32	1,850,541	3.07
Butte Copper & Zinc Co	Qtr.	*6,049	...	29,193	.05
California Packing Co	Year	2,901,703	2.87	4,747,268	4.92
Catalin Corp	Qtr.	*1,042	...	41,617	.08
Cliff Corp	Qtr.	93,048	.12	165,415	.21
Columbian Carbon Co	Qtr.	707,155	1.32	1,448,536	2.69
Commercial Solvents Corp	Qtr.	*236,500	...	501,773	.19
Cons. Chemical Industries, Inc	Qtr.	101,858	.15	360,186	1.13
Cities Service Co	Qtr.	3,187,493	.05	3,315,317	.05
Cunningham Drug Stores	6 mos.	263,302	1.32	326,203	1.63
Gulf Oil Corp	Year	31,854,065	3.51	26,356,003	2.90
Hercules Powder Co	Qtr.	656,027	.40	1,475,590	1.13
Interchemical Corp	Qtr.	11,795	...	405,086	1.06
Kelley Island & Transport & Co	Year	484,588	1.58	423,086	1.38
National Oil Products Co	Qtr.	81,361	.47	158,205	.94
New Jersey Zinc Co	Qtr.	652,596	.33	2,168,841	1.10
Newport Industries, Inc	Qtr.	38,506	.07	400,560	.77
Phio Oil Co	Qtr.	1,292,148	.07	3,471,628	.40
Park & Tilford, Inc	Qtr.	129,720	.51	165,304	.66
Peoples Drug Stores	Qtr.	152,862	.57	284,163	1.10
Quaker State Oil Co	Qtr.	101,472	.11	387,737	.42
Robert Gair Co	Qtr.	14,045	...	316,141	.31
Ritter Dental Mfg. Co	Year	278,772	.65	418,362	1.52
Sharp & Dohme, Inc	Qtr.	173,935	...	539,485	.44
Skelly Oil Co	Qtr.	664,771	.56	1,334,413	1.43
Socony-Vacuum Oil Co	Year	58,733,210	1.89	44,102,140	1.42
Texas Gulf Producing Co	Qtr.	181,898	.20	220,442	.25
Union Bag & Paper Co	12 mos.	1,461,928	1.39	656,758	.63
Union Oil of Calif	Year	12,164,039	2.61	.....	...
United Drug, Inc	Qtr.	*319,545	...	580,640	.43
United Carbon Co	Qtr.	438,364	1.10	722,368	1.82
Vulcan Corp	Qtr.	50,480	.13	36,602	.07
Zonite Products	Qtr.	28,100	.03	39,786	.05

* Deficit.

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F M C

LIQUIDATORS APPRAISERS

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George M. Shipper, recently retired after sixty years with John T. Lewis & Bro., Philadelphia, Pa., was made an honorary life member of the Baltimore Paint Salesmen's Club at its meeting May 6.

The Paraffine Companies, Inc., subsidiary unit in Australia, the Pabco Products (Australia) Ltd., is planning to rebuild its plant at Sydney which was destroyed by fire a year ago. The plant produced paint, saturated felts, and roofing materials.

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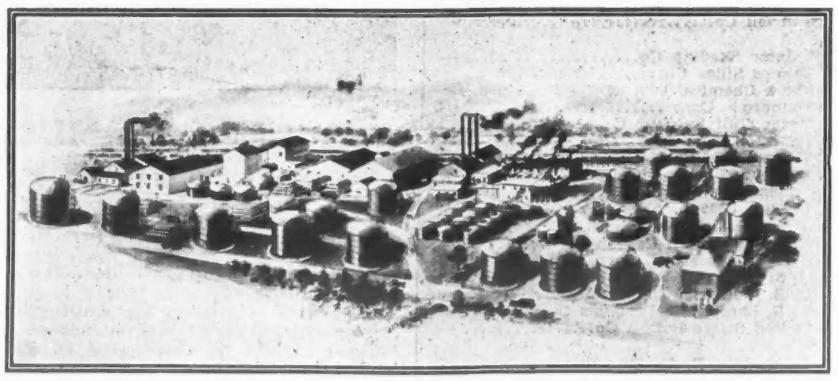

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